CONSTRUCTION NEWS

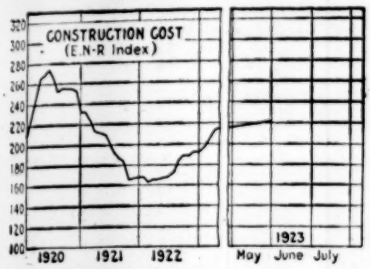
The Construction Barometer

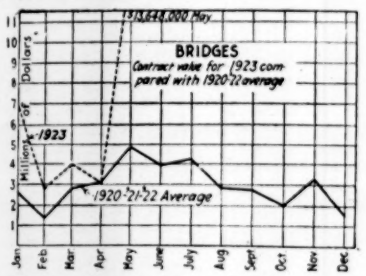
Few Price Changes—Drop in Industrial Building—Bridges Heavy

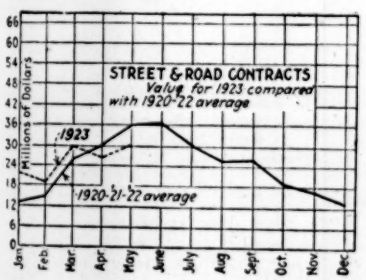
WITH the Cost Index at 220.7, the contract rate has fallen from $49,750,000 per week in April to $43,742,000 in May. The total for May, as reported in the five issues of *Engineering News-Record*, is $218,712,000, against $198,665,000 in the four issues of April. The most marked drop is in industrial building, while the principal rise was in bridges, as shown by the chart.

Prices throughout the country have been changed very little since the middle of May. Labor increases, however, have raised general cost nearly 4 per cent since then.

Number of large jobs out for bids in the last eight weeks (Apr. 19 to June 7) averaged 260; this week's number is 237. Next week the contract volume for the various sections of the country will be shown.







E. N.-R. Statistics

VALUE OF LARGE CONTRACTS LET IN THE UNITED STATES

Week Ending	Public Work	Private Work	Total Contracts
May 24	$15,598,000	$18,816,000	$34,414,000
May 31	16,126,000	13,565,000	29,691,000
June 7	25,144,000	18,704,000	43,848,000
3 weeks	$56,868,000	$51,085,000	$107,953,000

LARGE BUILDING CONTRACTS—NUMBER AND VALUE

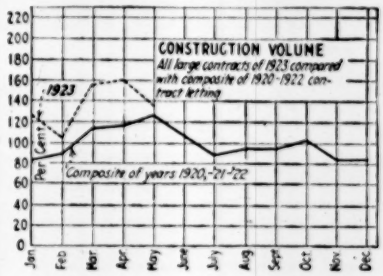
Week Ending	Public No.	Public Work	Private No.	Private Work
May 24	10	$2,509,000	35	12,481,000
May 31	11	2,555,000	33	8,528,000
June 7	13	2,558,000	37	11,303,000
3 weeks	34	$7,622,000	105	$32,312,000

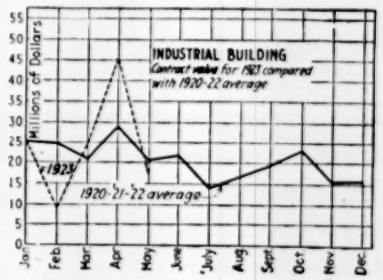
NUMBER OF LARGE JOBS NOW OUT FOR BIDS

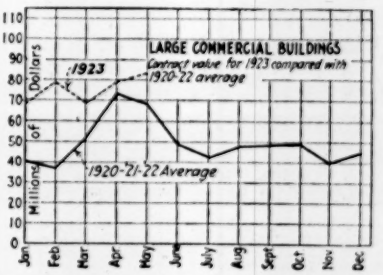
Week Ending	Private	Public All	Streets and Roads	Waterworks and Sewers	All Buildings
May 24	32	230	90	44	48
May 31	25	226	94	38	36
June 7	35	202	75	29	46

BASE PRICES UNCHANGED IN TWO WEEKS

	Quoted on June 14, at	Price Was	On
Structurals, Pittsburgh, 100 lb.	$2.50 @2.60	$2.50 @2.65	May 17
Cement, Chi., net bbl.	2.20	2.05	Feb. 1
Pine, N. Y., M. ft.	60.00	58.00	Apr. 5
Fir, San Fran., M. ft.	41.00	39.00	Apr. 5
Common labor, hr.	0.53	0.51	May 31







Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Albany—See "Miscellaneous."

N. Y., Ontario—Plans new water supply system. $85,000.

Ky., Danville—City plans new waterworks plant. $50,000. A. E. Harga, city engr. Architect not selected.

Wis., Fort Atkinson—Making plans brick, rein.-con. and steel pumping station, and rein.-con. reservoir, 60 ft. diameter, 15 ft. deep, etc., $25,000. J. R. and E. J. Law, First Central Bldg., Madison, archts., for pumping station. W. G. Kirchoffer, Dean Bldg., Madison, engr.

Wis., Genoa Junction — Making plans pumping station, rein.-con. storage reservoir, deep well and pump. $15,000. W. A. Pierce, 227 Clifford St., Madison, engr.

Idaho—Lewistown—Voted $380,000 bonds waterworks, incl. 6 m.g. filtration plant, new rein.-con. reservoir, mains, etc. Burns & McDonnell, 401 Interstate Bldg., Kansas City, Mo., engrs. Noted Apr. 19.

Mo., Burlington Junction — June 19, to vote on $39,000 bonds waterworks and sewer extensions. E. T. Archer & Co., 609 New England Bldg., Kansas City, engrs.

Mo., Cameron—June 22 to vote on $51,000 bonds waterworks. E. E. Harper, 3031 Park Ave., Kansas City, engr.

Mo., Chamois—See "Sewers."

Tex., Dallas—Koch & Fowler, engrs., Central State Bank, soon takes bids 300,000 ft. 2-6 in. pipe, 25,000 gal. tank and tower, on Bachman Creek at Cochran Chapel, for J. M. Stephenson, c/o Engineers.

Tex., Dallas—See "Streets and Roads."

Tex., Ft. Worth—Takes bids about June 26, new mains, etc., for Polytechnic Heights. $250,000. J. B. Hawley, Cotton Exch., consult. engr., D. L. Lewis, city engr.

Tex., Lufkin — City Comn. takes bids early in July concrete pump house and pipe lay out. $15,000. H. N. Roberts, 4227 Irving Pl., Dallas, engr.

Tex., Royse—Soon takes bids improving waterworks. $45,000. Mackintosh Co., 1st Natl. Bank Bldg., Oklahoma City, Okla., engrs.

Okla., Holdenville—Election June 20, to vote on $35,000 bonds new filtration plant and settling basins. C. Edge, city engr.

Okla., Okmulgee—City retained Burns & McDonnell, engrs., 402 Interstate Bldg., Kansas City, Mo., to make surveys and investigations for storage reservoir and dam on Deep Fork Creek, creating lake approximately 7 mi. long, covering 25,000 acres, etc. $2,000,000. Bond election in September.

Okla., Sayre—See "Sewers."

Neb., Crawford—Election June 18, to vote on $45,000 bonds for waterworks system and extensions. Engineer not selected.

Calif., Banning—Plans rebuilding portions of distributing system. $35,000.

Calif., Sacramento—State Reclamation Bd., Forum Bldg., takes bids in about 2 months drainage pumping plant, incl. centrifugal type pumps, with combined capacity of 120,000 gal. per minute with electric motors, priming equipment, pump house, etc., for Reclamation Dist. 1660. To exceed $90,000.

Calif., San Diego—City retained J. R. Freeman, engr., 815 Grosvenor Bldg., Providence, R. I., to investigate and make recommendations relative to construction of dam on San Diego River for municipal water impounding system. Noted Apr. 19.

Ont., Hamilton—Plans laying mains on Rose Ave., Dromore, Dalewood and Haddon Crescents, Whitton Rd., Benson, McKinstry

Waterworks (Continued)

and Cline Sts. $55,000. Prices wanted on all materials. W. L. McFaul, City Hall, engr.

Ont., Kingston—Pub. Utilities Comn. plans chlorination plant in waterworks station, probably liquid chlorine type. $25,000. H. S. Dick, City Hall, engr.

Ont., Lansing—North York Twp. plans laying 30,000 ft. c.i. mains as follows, 8 in. in Drury and Brooke Sts.; 10 in. in Donlands Ave., Yonge St. from Humberstone to Old Yonge Sts., Old Yonge and Donino Sts., and Yonge St. from Huberstone to Drury Sts.; 12 in. in Humberstone St. $114,732. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

BIDS DESIRED

N. J., Pennington—June 25, 550 lin.ft. 2 in. w. i. and 3,250 lin.ft. 4-10 c. i. mains, water pumping station, etc. Remington & Vosbury, 601 Market St., Camden, engrs.

Pa., Du Bois—June 28, rein.-con. reservoir. J. C. Weaver, clk. Morris Knowles, Inc., 507 Westinghouse Bldg., Pittsburgh, engrs.; adv. this issue.

Md., Baltimore—June 20, by Bd. Awards, furnishing and delivering valves to Water Dept. $40,000. W. A. Megraw, City Hall, engr.

O., Cleveland—June 20, by Cuyahoga Co., 4,250 ft. 6 in. c.i. mains in Impvt. 29 of Co. Sewer Dist. 1. To exceed $25,000. R. F. MacDowell, Court House, engr.

O., Columbus—See "Streets and Roads."

Ill., Gridley — June 26, by Bd. Local Impvts., furnishing and laying c.i. mains, valves, etc. Taylor & Woltmann, Unity Bldg., Bloomington, engrs.; adv. this issue.

Minn., Clarkfield — June 22, by village, waterworks extension and improvements, 1,520 ft. 6 in. and 3,222 ft. 4 in. c.i. pipe, 10 hydrants, 4,000 lb. special castings, pump house and pumping equipment. $15,000. J. A. Rowat, Willmar, engr.

Minn., Emmons—June 29, waterworks system, incl. mains, well motor, pump house, tank and tower. $15,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs.

Kan., Herrington—June 19, by Black & Veatch, engrs., 701 Mutual Bldg., Kansas City, Mo., waterworks improvements, for city. $250,000.

N. D., Bismarck—June 25, by M. H. Atkinson, city clk., pumping plant equipment, incl. 2 low service pumps, both with gasoline engine auxiliary and 3 high service pumps, one with gasoline engine auxiliary, ranging from 1,500 to 2,000 gal. capacity. Former bids rejected. T. R. Atkinson, city engr. L. P. Wolff, 1000 Guardian Life Bldg., St. Paul, Minn., engr. Noted May 10.

S. D., Esmond—June 30, 3,500 lin.ft. 4 in. c.i. pipe, 2,000 lb. c.i. fittings, one 100-140 gal. centrifugal pump or one 50 gal. triplex pump, one 20 x 40 ft. tile or brick pumphouse with underlying concrete reservoir, etc.; alternate bids on one 80 or 100 ft. steel tower and tank of 30,000 or 50,000 gal. capacity. $15,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, Minn., engrs. Noted May 3.

Mo., Lathrop—June 20, by A. T. Archer & Co., engrs., 609 New England Bank Bldg., Kansas City, waterworks system for city. $60,000. Noted May 31.

Tex., Ft. Worth—July 3, by City Com., pump, 12 m.g. daily capacity, against 270 ft. head, electric motor or Diesel engine foundations, etc., at Holly Station on Fournier St. $80,000. D. L. Lewis, city engr. J. B. Hawley, Cotton Exch., consult. engr. Noted June 7.

Okla., Tulsa—Receiving bids two 300 hp. boilers, one 12 m.g. and one 10 m.g. turbine centrifugal pumps, 4 mi. 30 in. steel or c.i. force main pipe. Trammel & Holway, 508 Wright Bldg., engrs.

Colo., Lafayette — June 20, by Town Clerk improving waterworks system incl. 19,000 ft. Matthewson joint pipe and reconnecting 330 services.

Ont., New Toronto—June 16, by T. M. Staunton, chn. Pub. Utilities Comn., (1) supply of 1,100 ft. 30 in. steel pipe with specials and flexible joints for waterworks intake (2) laying waterworks intake. $42,000. A. H. R. Thomas, New Toronto, engr.

BIDS RECEIVED

N. Y., Buffalo—A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., June 4, forty 30 in., forty 24 in., eighty 20 in., forty 10 in. and two 36 in. flanged gate valves for filter plant, from Michigan Valve & Fdry. Co., 3631 Parkinson Ave., Detroit, Mich., $62,490. Noted May 24.

CONTRACTS AWARDED

Md., Baltimore—Bd. Awards, two 8 m.g. motor driven centrifugal pumps and electric equipment, for Druid Pumping Station, to DeLaval Steam Turbine Co., North Clinton St. and Pennsylvania R.R., Trenton, N. J., $23,125 (compensation method). Noted June 7.

N. C., Davidson—For 20,180 ft. water mains, 27,000 ft. sewer mains, one 100,000 gal. rein.-con. reservoir, one pumping station, 2 service and one fire pump, etc., to Boyd-Higgins & Goforth, Realty Bldg., Charlotte, $31,000. City to furnish all material except for reservoir and pump house. Noted May 24.

N. C., Winston—Salem-Buena Vista Co., water and sewer mains to connect with city water system, to Boyd-Higgins & Goforth, Realty Bldg., Charlotte, $15,000.

Ala., Talladega — Talladega Light & Water Co., complete water works system, incl. 4 mi. pipe line, etc., to Merkle Mchy. & Contg. Co., 1733 Walnut St., Kansas City, Mo., $166,000. Under present plan, city purchases c.i. pipe and contractor installs it. Noted May 10.

O., Cleveland — Coagulation basins at Baldwin filtration plant, Contr. 44, to Stange-Walsh Constr. Co., 2315 Fairmount Rd., $1,365,425. Noted June 7.

O., Cleveland—Cuyahoga Co. 21,300 ft. 12 in. c.i. mains in Impvt. 28 of Co. Sewer Dist., to D. Pfahl & Co., Berea Rd., $120,-521. Noted June 7.

Ill., Highland Park—See "Sewers."

Ia., Oskaloosa—Waterworks Trustees, 2 m.g. rapid mechanical filtration plant, 1 story and basement, 40 x 80 ft., to Lanning Constr. Co., Ottumwa, $70,000. Noted May 24.

S. D., Faith—See "Sewers."

N. D., Bismarck — Distribution system material, to Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., Minneapolis, Minn., $250,-000, pipe laying to De Graff Wolff, 985 Scheffer St., St. Paul, Minn., $173,000; filtration plant and 2 rein.-con. reservoirs, each 750,000 gal., to Woodrick Constr. Co., 1141 Metropolitan Life Bldg., Minneapolis, Minn., $108,000 and $48,000 respectively, equipment, to McFarlan Eng. Co., Kansas City, Mo., $25,000. Noted May 10.

Neb., Platte Center — Waterworks improvements, incl. tank, tower, well, hydrants and pumps, to C. Robeck Co., 3818 Gold St., Omaha, $13,897; fittings, valves and c.i. pipe, to Crane Co., 10th and Harney Sts., Omaha, $3,276. Noted May 17.

Wash., Camas—Furnishing 8,600 ft. 8 in. and 600 ft. 8 in., 14 gage, 37,500 ft. 10 in., 2,700 ft. 4 in. and 1,400 ft. 6 in. pipe, 3,000 lb. c.i. fillings, to Coast Culvert & Flume Co., Columbia Blvd. and Derby St., Portland, Ore., $64,780.

Que., Montreal—City will lay 3,300 ft. 30 in. main in Sherbrook St. from Delormier to Wurtele Sts., by day labor. $92,-000. Noted May 24.

Ont., Hanover—Waterworks system, incl. laying mains, concrete reservoir, pumps, motors, etc., general contract to Canadian Des Moines Steel Co., Inches Ave., Chatham; mechanical equipment, pumps, motors, etc., to W. Kennedy & Sons, Owen Sound. Engrs. est. $125,000. Noted Apr. 26.

Sewers

PROPOSED WORK

Mass., Medford—See "Streets and Roads."

N. C., Forest City—Making plans sewerage system. $75,000. Carolina Eng. Co., Wilmington, engrs.

O., Columbus—See "Streets and Roads."

O., Garfield Heights (Bedford, P. O.)—Taking bids 7,000 ft. 12-30 in. vitr. tile sewers. $115,000. R. Munz, Town Hall, engr.

O., New Philadelphia—Had plans prepared reconstructing sanitary sewers in Public Sq. on High St. also in Bway., South Side, 9th, 10th, Front, College and Hance Sts. $100,000. R. Arnold, City Hall, engr.

Mich., Springwells—Plans completed and soon takes bids 80,000 ft. of 8-24 in. crock lateral sewer together with trenching and backfilling. $400,000. A. Roth, 2348 Penobscot Bldg., Detroit, engr. Noted Apr. 19.

Mich., Springwells—Making plans trunk sewers in Chase Rd. and Mulkey Ave., brick or concrete. $660,000. A. Roth, 2348 Penobscot Bldg., Detroit, engr.

Ill., Edwardsville — Plans sewerage disposal plant. To exceed $25,000. Sheppard & Morgan, Edwardsville, engrs.

Wis., Fond du Lac—Making plans 5 mi. 18-30 in. cement or vitr. trunk sewer, addition to sewage disposal plant, sewage lift and approximately 10 mi. smaller sewers, etc. $40,000. W. G. Kirchoffer, Doan Bldg., Madison, engr.

Neb., Burwell—Had plans prepared sanitary sewerage system. $40,000. Bruce & Grupe, 408 Finance Bldg., Omaha, engrs.

Neb., Elm Creek—Had plans prepared sanitary sewerage system, $35,000. Bruce & Grupe, 408 Finance Bldg., Omaha, engrs.

Neb., Plainview — Had plans prepared sanitary sewerage system, $135,000. Bruce & Grupe, 408 Finance Bldg., Omaha, engrs.

Neb., Syracuse—Had plans prepared sanitary sewerage system, $135,000. Bruce & Grupe, 408 Finance Bldg., Omaha, engrs.

Mo., Burlington Junction — See "Waterworks."

Mo., Cameron—June 22 to vote on $39,-000 bonds sewers. E. E. Harper, 3031 Park Ave., Kansas City, engr.

Mo., Chamois — Voted $30,000 bonds sewers and waterworks. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Mo., Marshall—Making plans sanitary sewers in Sub-Sewer Dists. 13 and 14 of Sewer Dist. 2. $60,000. C. T. Hough, engr.

Mo., Richmond Heights (St. Louis P. O.) —Made plans 17,500 ft. 6-30 in. vitr. and 33-60 in. segmental block sewers, 12,000 cu. yd. excav. $65,000-$70,000. Pitzman Eng. & Survey Co., 615 Chestnut St., St. Louis, engrs.

Tex., Dallas—See "Streets and Roads."

Tex., Dallas—Making plans sewer mains and 12 new tanks in disposal plant in South Dallas. $500,000. E. A. Kingsley, city engr.

Tex., Dallas—J. M. Stephenson c/o Koch & Fowler, engrs., Central State Bank, making plans and soon takes bids 25,000 ft. 6-8 in. sanitary sewers, disposal plant and 2 mi. electric distribution system in Bachman Creek at Cockran Chapel.

Tex., Leakey—See "Streets and Roads."

Okla., Sand Springs—Takes bids about June 15, sanitary sewers. $75,000. Holway Eng. Co., 508 Wright Bldg., Tulsa, engrs.

Okla., Sayre — Having plans prepared sewer extensions, complete disposal plant, water mains and extensions, white way and power plant. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Oregon—State Hy. Comn., Salem, rejected bids 1,300 lin.ft. trestle and embankment, Lewis and Clark Bridge approaches, on Roosevelt Coast Highway, Clatsop Co. Work will be readvertised.

Calif., Los Angeles—Had plans prepared Sects. 11, 12, 13 and 14 of sewerage system to connect West Los Angeles Dist. with citys main outfall sewer, 18,014 lin.ft. 6 ft 3 in., 1,808 lin.ft. 7 ft. 6 in., 6,204 lin.ft. 5 ft. 3 in. and 3,190 lin.ft. 4 ft. 9 in. Ferguson segmental block, brick-concrete or pre-cast concrete pipe with vitr. lining.

BIDS DESIRED

Me., Portland—June 25, at office E. M. Hunt, comr. Pub. Wks., City Hall, 1,107 ft. brick sewer in Forest Ave.; adv. this issue.

Mass., North Andover (Lawrence P. O.) —June 15, by R. H. Ellis, ch. engr. and supt. Pub. Wks., 5,000 ft. 18 in. trunk and 2,000 ft. 6, 8 and 10 in. lateral sewers. To exceed $50,000.

N. Y., Brooklyn—June 20, by E. Riegelmann, boro pres., Boro Hall, sewers in Church and Linden Aves., 48th, East 45th, 64th, 84th and East 31st Sts.

N. Y., Brooklyn—June 20, by E. Riegelmann, boro pres., Boro Hall, constructing Sect. 2C. modification and extension of Biological Plant, 26th Ward Disposal Works; reconstructing sewers in Fort Hamilton and Ocean Parkways, 60th and 47th Sts., 19th and Foster Aves.

N. Y., New York—See "Streets and Roads."

Pa., Erie—June 22, by City Council, intercepting sewerage system. $300,000. Former bids rejected. F. G. Lynch, city engr. Noted May 17.

D. C., Wash.—June 29, by Dist. Comrs., 509 Dist. Bldg., 4,414 lin.ft. sewer. Apply Room 427 Dist. Bldg.; adv. this issue.

Ga., Thomasville — See "Streets and Roads."

O., Idlewood (Cleveland Heights P. O.)—June 25, storm and sanitary sewers. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Ia., North English—June 19, by W. C. Carson, clk., 9,500 ft. 8 in., 2,200 ft. 10 in., 2,800 ft. 12 in. sanitary sewers, 44 standard manholes, sewage disposal plant, etc. Howard R. Green Co., Bever Bldg., Cedar Rapids, engrs.

Sewers (Continued)

Minn., Emmons—June 29, sanitary sewer system, incl. mains, sewage treating plant, etc. $25,000. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs.

Mo., Lathrop—June 20, sanitary sewers and disposal plant. $75,000. A. T. Archer & Co., 602 New England Bldg., Kansas City, engrs. Noted May 31.

Mo., St. Louis—July 3, by Bd. Pub. Serv., City Hall, South Gravois Ave. Sewer 4, 3,713 ft. 8-36 in. brick laid in cement or 2 ring segmental block and vitr. clay pipe, etc., $21,480; Harlem Creek Sewer 18, 10,015 ft. 8-42 in. segmental block pipe, 22,425 lb. wrought iron, 2,340 lb. cast iron, etc., $50,680; Harlem Creek Sewer 19, 1,525 ft. 8-18 in. vitr. clay pipe, etc., $19,000; Glaize Creek Sewer 23, 1,065 ft. 8-21 in. vitr. clay pipe, etc., $3,560; Rock Creek Sewer 8, 3,756 ft. 12-24 in. vitr. clay pipe, etc., $20,800; Arloe Sewer 2, 4,045 ft. 8-18 in. vitr. clay pipe, etc., $14,520; Grand Ave. Sewer 27, 1,150 ft. 8-21 in. vitr. clay pipe, etc., $5,000; Ohio Ave. Sewer 26, 305 ft. 8 and 12 in. vitr. clay pipe, etc., $1,350; Sublette Ave. Sewer, 6,383 ft. 12-42 in. brick laid in cement or 2 ring segmental block and vitr. clay pipe, etc., $21,320. W. W. Horner, city engr.

Ore., Silverton—June 25, for 8,700 lin.ft. sanitary sewer, 5,500 lin.ft. storm sewer and concrete septic tank. J. T. Hoblitt, city recdr.

Ont., Hamilton—June 20, by T. W. Jutten, mayor, 8,000 ft. vitr. tile sanitary sewers in Paisley, Newton, Barclay, Vansitmart Aves., also Tragina Ave. from Barton St. to Britannia Ave. and from Britannia Ave. to Main St. $50,000. W. L. McFaul, city engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, June 6, sewers in (1) Ave. I (2) Ave. I (3) Banker St. (4) 72nd St. (5) Ave. J (6) 76th St. (7) Bay 28th St. (8) East 32nd St. (9) 12th Ave. (10) 48th St. (11) East 10th St., from S. Ambrosio, 1016 60th St., (1) 93% engrs. est. ($1,400) (2) 90% ($1,050); C. F. Vacharias, 645 40th St., (3) 105% ($700) (4) 95% ($400) (5) 94% ($400) (9)99% ($1,684) (10) 109% ($1,539) (11) 90% ($800); B. Peconi & Sons, (6) 87% ($11,-265); Nazarro & Querriero, (7) 91% ($6,834); Tomassetti & Co., 1133 6th St., (8) 86.86% ($4,905). Noted May 31.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Foster Ave., from Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, Type A $21,856, Type B $21,265. Noted May 31.

N. J., Hightstown—Alterations and additions to sewage disposal plant, from P. A. Hennessey, Collingswood, $51,540. Noted May 17.

O., Cleveland—See "Streets and Roads."

Mo., Maplewood—(St. Louis, P. O.)—For 15,640 ft. 8-36 in. vitr. clay and 500 ft. 42 in. segmental block sewer in Manchester Sewer Dist. 2, 15,000 cu.yd. earth trenching, from Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, $97,156. Noted May 24.

CONTRACTS AWARDED

Mass., Andover—For 1,250 lin.ft. 18 in. and 6,925 lin.ft. 24 in. c.i. force main, and 4,800 lin.ft. 30 in. tile sewer, one 24 in. c.i. outlet, from Shawsheen village to Merrimac River, to Cenedella & Co., Milford, $175,-000. Engrs. est. $180,000. Noted Apr. 12.

Mass., Cambridge (Boston P. O.)—F. Callahan, 665 Cambridge St., 1 story, 77 x 150 ft. garage, brick, Baldwin St., to M. W. Ryan, 2 Central Sq., $78,000. Archts. est. $80,000.

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, sewer in Vermont St., to Necaro Co., Inc., 97 Court St., 106.97% engrs. est. ($314,013); Utica Ave., to Nazzaro & Querriero, 87% ($10,405); Lefferts Ave., to Crooke & Dickinson, 93.8% ($9,164) 81st St. and Ft. IHamilton Parkway, to M. Tozzi, 1362 63rd St., 93% ($3,572) and 97% ($1,745) respectively; Troy Ave., to S. Ambrosio, 1016 60th St., 85% ($1,596). Noted May 31.

N. C., Davidson—See "Waterworks."

Ala., Sheffield—Constructing 9 mi. cement sidewalks to W. L. Hagler, Sheffield, $100,-286. Engrs. est. $125,000.

O., Akron—W. F. Peters, dir. Pub. Serv., 1 mi. Hawkins Ave. interceptor sewer, 30 to 80 ft. wide, to Graham Henderson, Cleveland, $251,312. Engrs. est. $350,000. Noted May 17.

O., Akron—W. F. Peters, dir. Pub. Serv., to McAlonan Bros., 197 West Buchtel Ave., 6,940 ft. brick and vitr. sewer in Sawyer-Collinwood et al., $55,613, engrs. est. $51,-134, 5,665 ft. brick and vitr. sewer in Murray-Mt. Vernon Ave. et al., $40,158, $36,550, 5,840 ft. vitr. sewer in Lakemont-Hite et al., $23,123, $21,263; to C. Ruhlin, 518 Metropolitan Bldg., 1,124 ft. 72 in. brick sewer in Firestone Blvd. $34,055, $41,273. Noted May 10.

O., Brooklyn Heights (Independence, P. O.)—Sewers in Schaaf Rd., to F. Phillips Co., Engineers Bldg., Cleveland, $32,500, West 11th St., to W. McDowell & Son, 10309 Miles Ave., Cleveland, $12,500. Work involves 8,815 ft. 15-30 in. vitr. clay and segmental block pipe. Noted May 17.

O., Columbus—R. W. Smith, clk. Franklin Co., for Contr. 3, Sewer Dist. Franklin 1, Joint Intercepting Sewer, 20,746 ft. 24-39 in segmental block or concrete pipe, to Sheets & Canfield, Guaranty Title and Trust Bldg., $176,641; Contr. 5, Sewer Dist. Franklin 1, East Main Branch Sewer, 19,567 ft. 10-24 in. vitr. pipe, to H. S. Bosler Constr. Co., Gugle Bldg., $59,650. Noted May 24.

Ill., Highland Park—For 1,498 lin.ft. 15 in., and 12,713 ft. 8 in. tile pipe sewer, 600 ft. 8 in. overflow sewer, 14,912 ft. 6 in. and 1,231 ft. 8 in. c.i. pipe, etc., to C. M. Porter Co., 1425 Conway Bldg., Chicago.

S. D., Hartford—Sanitary sewerage system also watermain extensions, to Bruce-Bickelhaupt Co., Yankton, $21,709 and $7,216 respectively. Noted May 24.

S. D., Faith — Sanitary sewerage and waterworks systems, to Mobridge Plumbing & Heating Co., F. Pfanstiehl, Mobridge, $46,000.

Tex., Elgin—City will build disposal plant and 30,000 ft. 6-8 in. sewer, by day labor. $40,000. E. L. Dalton, 1915½ Main St., Dallas, engr. Noted Feb. 22.

B. C., Nelson—Laying 23,000 ft. 6-15 in. vitr. sewers in various streets to Green Bros. & Burden, Nelson, $30,639. Engrs. est. $55,000. Noted Mar. 29.

Waste Disposal

PROPOSED WORK

Wis., Appleton — Cities of Appleton, Menasha and Neenah plan garbage disposal plant and equipment for joint use, rein.-con., brick and steel, plain foundation. E. L. Williams, City Hall, Appleton, clk. Engineer and architect not selected.

BIDS DESIRED

Pa., Phila.—June 18, by F. H. Caven, dir. Dept. Pub. Wks., Bureau of Highways, for Harrowgate Incinerator.

O., Youngstown—June 28, for garbage incinerator plant. $125,000. I. Turner, city engr. Noted Mar. 8.

BIDS RECEIVED

O., Cleveland—J. F. Malone, dir. Pub. Serv., City Hall, May 16, 500 ton garbage disposal plant, from C. O. Bartlett & Snow Co., French and Winter Aves., $930,550. Noted May 10.

CONTRACTS AWARDED

Okla., Tulsa—City, 2 story, 36 x 55 ft. incinerator, rein.-con., brick and steel, 3rd St., to Garbage Incinerator Co. of Texas, Tulsa, $40,000.

Bridges

PROPOSED WORK

Conn., Forrestville—City of Bristol plans 3 span concrete bridge, here. $45,000. C. Buell, city engr.

Pennsylvania — Commrs. Snyder Co. (Middleburg) Union Co. (Lewisburg) and Northumberland Co. (Sunbury) plan concrete and steel bridge over Susquehanna River between Blue Hill and Northumberland, to replace one recently destroyed by fire. $500,000.

Louisiana — State Hy. Comn., Baton Rouge, plans bridge across Mermentau River, 320 ft. span. J. F. Fourmy, state highway engr.

Mich., Marine City—State Hy. Dept., Lansing, rejected bids steel superstructure 135 ft. swing bridge No. 770901, here. Will readvertise. Noted Apr. 26.

Mich., Springwells—Village and Michigan Central Ry., La Salle St. Station, Chicago, having plans prepared 2 concrete girder viaducts over railway tracks, on Mulkey Ave. and Schaefer Rd. $1,200,000. A Roth, 2348 Penobscot Bldg., Detroit, village engr. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, consult. engr.

Neb., Omaha—Union Stock Yards having preliminary plans prepared 2,000 ft. rein.-con. and steel viaduct, 70 ft. roadway. $200,000. F. W. Rice, 312 Finance Bldg., engr.

Missouri—State Hy. Dept., Jefferson City, plans one 180 ft. steel truss and four 20 ft. rein.-con. slab spans, etc., over Big St. Francis River, Madison Co.; six 80 ft. steel truss spans over Marias Des Cygnes Drainage Ditch, Bates Co.; one 50 ft. steel truss span, over Turkey Creek, Madison Co.; four 80 ft. steel truss spans, etc., over Salt River, Shelby Co.; three 100 ft. and two 60 ft. steel truss and eight 20 rein.-con. slab spans, etc., over Miami River, Bates Co. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans one 80 ft. steel truss and six 20 ft. rein.-con. slab spans, etc., over Otter Creek, Monroe Co.; one 60 ft., one 80 ft. and one 140 ft. steel truss spans, etc., over Salt River, Monroe Co.; three 20 ft. rein.-con. slab spans, 4 rein.-con. bents, etc., Howell Co.; one 30 ft. and two 25 ft. rein.-con. deck girder spans, over Rock Creek, Saline Co.; one 40 ft. rein.-con. deck girder spans, 2 rein.-con. abutments, over Mill Race, Jasper Co.; one 70 ft. steel truss span, over Castile Branch, one 30 ft. rein.-con. deck girder span, over east branch Castile Creek, one 40 ft. rein.-con. deck girder span, etc., over west branch of Castile Creek, Dekalb Co.; one 50 ft. steel truss span, over Jordan Branch, one 25 ft. rein.-con. deck girder span, etc., over east branch Jordan Branch, Dekalb Co. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans one 25 ft. and eight 35 ft. rein.-con. deck girder spans, etc., Cass Co., one 40 ft. and two 25 ft. rein.-con. deck girder spans, over Yellow Creek, Sullivan Co., one 25 ft. rein.-con. deck girder, two 12 ft. and four 10 ft. rein.-con. slab spans, Boone Co., three 60 ft. steel and four 16 ft. rein.-con. slab spans, etc., over Perche Creek, Boone Co., one 12 ft. rein.-con. slab and one 60 ft. steel truss span, Marion Co., one 120 ft. steel truss span, over River Des Peres, also two 200 ft. and two 120 ft. steel truss spans over Merramec River, St. Louis Co. B. H. Piepmeier, state highway engr.

Missouri—State Hy. Dept., Jefferson City, plans one 75 ft. steel truss and nine 20 ft. rein.-con. slab spans, etc., over Muddy Creek, Barton Co., one 25 ft. rein.-con. deck girder span, Newton Co., one 120 ft. steel truss, over Railey Creek and three 20 ft. rein.-con. slab spans, etc., over Pine Run Creek, Stone Co., three 10 ft. rein.-con. slab spans, etc., over Spring Creek, Douglas Co., three 30 ft. rein.-con. deck girder spans, over Bee Creek, and three 20 ft. rein.-con. slab spans, over Owl Creek, Platte Co. B. H Piepmeier, state highway engr.

Calif., Los Angeles — Voted $2,000,000 bonds to pay citys share for 6 viaducts across Los Angeles River and adjacent railroad tracks.

Calif., Santa Barbara—Santa Barbara Co. appropriated $60,000 bonds for bridge at foot of H St. O. H. O'Neill, co. surv.

Ont., Toronto — Plans Vale of Avoca Bridge, 700 ft. long, 60 ft. wide, probably concrete piers and abutments, steel arches and wood block floor, on St. Clair Ave. E. $750,000. R. C. Harris, city engr.

BIDS DESIRED

Mass., Lowell—June 27, by Bd. Pub. Service, City Hall, repairing Aiken Bridge over Northern Canal. Fay, Spofford & Thorndike, 200 Devonshire St., Boston, engrs.; adv. this issue.

Mass., Salem — June 29, by Haverhill Lower Bridge Rebuilding Comn., at County Commissioners Office, rebuilding 804 ft. rein.-con. bridge, 66 ft. wide, over Merrimack River. R. R. Evans, engr.; adv. this issue.

Michigan—See "Streets and Roads."

Ill., Chicago—June 28, by H. E. Wallace, clk., at office Sanitary Dist. of Chicago, 910 South Michigan Ave., substructure of double leaf trunnion bascule bridge (Strauss type) over Main Drainage Channel on line of South California Ave. extended. W. O. Nance, chn.; adv. this issue.

Colorado—June 19, by State Hy. Dept., Denver, 150 truss bridge over Clear Creek, between Denver and Arvada, Federal Aid 120, Jefferson Co. $36,708. L. D. Blauvelt, state highway engr.

Colorado—See "Streets and Roads."

California—July 2, by State Hy. Comn., Sacramento, rein.-con. bridge over Crystal Springs dam near San Mateo, San Mateo Co., incl. 20 rein.-con. girder spans with necessary bents, abutment and wing walls. R. M. Morton, state highway engr.

BIDS RECEIVED

Wis., Milwaukee—Widening Folsom Pl. Bridge from 20 to 41 ft., substructure from S. M. Siesel, 160 Ogden Ave., $56,639; superstructure from Newton Eng. Corp., 185 Mason St., $77,900. Noted May 31.

Mo., St. Louis—Dept. Pub. Serv., June 5, 1,200 ft. rein.-con. viaduct, 80 ft., with 550 ft. southern and 200 ft. northern approaches, on 14th St., from F. A. Stiers, 4500 Enright Ave., $468,944. Noted May 10.

Bridges (Continued)

CONTRACTS AWARDED

Mass., Norwell—Plymouth Co., repairing bridge and approaches across North River between here and Marshfield, furnishing and placing additional rip-rap, to L. S. White, West St., Kingston, $27,525.

Pa., Muncy—Lycoming Co. (Williamsport) constructing Stolz Bridge, 120 ft., 3 span, rein.-con., over Muncy Creek, here, to A. C. Bailey, Philipsburg, $27,468. Noted May 24.

Florida—State Rd. Dept., Tallahassee, 901 ft. rein.-con. bridge with 65 ft. steel span, over Sebastian River, Project 39, Brevard and St. Lucie Counties, to A. Bentley & Sons, Amer. Natl. Bank Bldg., Jacksonville, $186,693. Noted May 24.

Ala., Flattop—Jefferson Co. (Birmingham), bridge over Locust Fork, Warrior River, here, to Nashville Bridge Co., foot of Shelby Ave., Nashville, Tenn., $83,913.

Ohio—See "Streets and Roads."

Wis., Fond du Lac — See "Streets and Roads."

Oregon—State Hy. Comn., Salem, concrete overhead crossing, Ore Dell, on Hilgard-La Grande Sect., Old Oregon Trail Highway, Union Co., to Illinois Bridge Co., 2243 Calumet St., Chicago, 310 cu.yd. Class A concrete $25, 185 cu.yd. Class B concrete, $22, 65,000 lb. reinforcing, $0.08, 295,000 lb. structural steel, $0.096, etc., total $44,885.

Tex., Linden—Bowie and Cass Counties, steel span bridge over Sulphur River at Pace Terry, timber pile trestle approaches, 166,000 lb. structural and 20,410 lb. reinforcing steel, 437 cu.yd. concrete, to Smith Bros., Amer. Natl. Bank Bldg., Dallas, $126,052. Engrs. est. $138,657.

Dams

PROPOSED WORK

N. Y., Norwood—See "Miscellaneous."

Okla., Okmulgee—See "Waterworks."

Tex., Wichita Falls — See "Excavation, Drainage, Irrigation."

Railways

PROPOSED WORK

Kentucky—Louisville & Nashville R. R. Co., 10th St. and Bway., Louisville, plans 30 mi. single track and 1 mi. tunnel from McRoberts to Elkhorn City, to connect Louisville & Nashville R. R. with Clinchfield, Carolina & Ohio R. R. Cost several million. G. R. Smiley, ch. engr. of constr.

Kentucky—Louisville & Nashville R. R. Co., 10th St. and Bway., Louisville, plans double tracking present single track line from Ft. Estill to Conway, 18.33 mi. $1,810,000. G. R. Smiley, ch. engr. of constr.

Ohio—Ann Arbor R.R., Owosso, Mich., plans 4½ mi. track from Toledo, O., westward, also about 4 mi. passing sidings. L. J. Allen, ch. engr.

Texas—Gulf, Colorado & Santa Fe R.R., 110 Field St., Dallas, soon takes bids 2 mi. trackage from Hale to West Dallas, and general terminal in West Dallas Industrial Dist. $250,000. F. Merritt, Union Sta. Bldg., Galveston, ch. engr.

Oklahoma—Toledo & Ohio Central Ry. Co., St. Clair Ave. and West 3rd St., Cleveland, O., plans rebuilding and electrifying present Shawnee branch of Missouri, Kansas and Texas Ry. Co., between Oklahoma City and Shawnee. $2,600,000. J. A. Stocker, Columbus, O., ch. engr.

Ontario—Michigan Central Ry. Co., 15th St., Detroit, Mich., plans 5 mi. new sidings, switches, etc., at St. Thomas yards. $500,000. J. F. Diemling, ch. engr.

BIDS DESIRED

New York—June 20, by Transit Comn., 49 Lafayette St., New York City, switch back track and other miscellaneous work east of Queensboro Plaza Station, Corona Branch, Queensboro Subway Rapid Transit R.R., Queens Boro, Routes 36 and 37, Sect. 1. G. McAneny, chn.

Wisconsin — Madison Street Rys., 2302 Fair Oaks Ave., Madison, taking bids for double tracks on East Johnson St. and University Ave., extending tracks on Monroe St. to Crandall Court. Private plans. Noted May 24.

CONTRACTS AWARDED

Tennessee—Illinois Central R.R., Hibernia Bldg., New Orleans, La., improvements and extensions, yards, terminals, repair shops, compression plant, etc., at Jackson, by day labor. $250,000. W. T. Atwill, New Orleans, La., genl. supt.

Wisconsin—See "Industrial Works" under Madison, Wis.

British Columbia—Merrill Ring Lumber Co., Ltd., 510 Hastings St., W., Vancouver, will build 6 mi. standard guage logging railway, at Theodosia Arm Malaopina Inlet, from logging camp to inlet near Lund. Work will be done by day labor. $60,000. W. L. Culliton, foreman.

Excavation, Drainage Irrigation

PROPOSED WORK

Minn., Jackson—Jackson Co., Minn., and Dickinson Co., Ia., plan draining 50,000 acres in former and 7,000 acres in latter county, work involves excavation, tile and 100 ft. bridge. $500,000. V. J. Buckeye, aud. of Jackson Co.

Tex., Wichita Falls—Wichita Co. Irrigation Dist. 2, plans ditches, dams, etc. $1,760,000 bonds passed. J. M. Isbell, co. engr.

Calif., Los Angeles—See "Miscellaneous."

Calif., Proberta — Prosperity Irrigation Dist., c/o F. H. Tibbetts, engr., Alaska Commercial Bldg., San Francisco, had preliminary plans prepared irrigating 93,690 acres land, here. $2,962,940.

BIDS DESIRED

Md., Baltimore—June 13, by Bd. Awards, dredging in harbor of Baltimore. $30,000. B. Hill, harbor engr.

Tenn., Memphis—June 19, by Bd. Water Comrs. at office 105-107 North 2nd St., excavating by machinery trenches for c.i. collecting conduit, tile drains and compressed air lines, in connection with Parkway Pumping Station. J. Sheahan, genl. supt.; adv. this issue.

Ia., Ottumwa—July 10, by F. W. Prosser, aud. Wapello Co., drainage ditch and improvements in D. D. 4 and 6.; adv. this issue.

Tex., Brownsville—June 23, by Bd. Dirs. Cameron Co. Water Dist. 1, 15 mi. drainage ditch, 300,000 cu.yd. excav., northern part of district. $60,000. W. W. Washington, co. engr. Noted Apr. 19.

Tex., Wichita Falls—Wichita Co. Irrigation Dist. 1, Staley Bldg., taking bids 30 mi. long, North Side Canal. 6-14 ft. deep, 1,000,000 cu.yd. excav., 2,000 ft. concrete or corrugated iron pipe, 400,000 ft. lumber, 5,800 cu.yd. concrete, distribution system involves 100 mi. ditch, 670,000 cu.yd. excav., 9,500 ft. concrete or corrugated iron pipe, 325,000 ft. lumber, 800 cu.yd. concrete, 1,400 ft. metal flume. $1,500,000. R. A. Thompson, Staley Bldg., ch. engr.

Calif., Paradise — Paradise Irrigation Dist., receiving bids (1) extension of mains (a) 27,890 ft. 18-24 in. trench and backfill (b) 29,810 ft. wood stave or riveted steel pipe and fittings (c) 2,409 ft. standard wrought iron pipe and fittings and accessories (d) hauling all pipe and fittings (e) laying all pipe and fittings (2) cement lining high line reservoir (f) furnishing 145 bbls. cement (g) furnishing 12,000 sq. ft. wire netting (h) hauling all material (i) hauling lining. J. E. Alley, supt. of dist.

Ontario—June 30, by R. C. Desrouchers, Parliament Bldgs., Ottawa, hydraulic dredging in harbors of Port Arthur and Ft. William, for Dominion of Canada, Ottawa. $50,000. K. M. Cameron, acting ch. engr.

BIDS RECEIVED

New Jersey—Navigation Dept., Trenton, June 5, for (1) dredging canal 75 ft. edge Manasquan River (2) removing remainder of material to widen canal bottom (3) dredging channel in Manasquan River, Ocean Co., from Delaware Dredging Co., 139 South 3rd St., Phila., (1) $0.54 (2) $0.54 (3) $0.54. Engrs. est. $70,000. Noted May 17.

Ia., Sidney—Fremont Co., for work in Missouri Valley D. D. 1, Plum Creek Diversion Ditch, 390,000 cu.yd. excav., Possum Creek Diversion Ditch, 378,000 cu.yd., Main Ditch, 515,000 cu.yd., Horse Creek Ditch, 60,000 cu.yd. Cooper Creek Ditch, 213,000 cu.yd., Knox Ditch, 54,000 cu.yd., Melitia Hollow Ditch, 38,000 cu.yd., Cresap Lateral 64,000 cu.yd., Mustard Lateral, 145,000 cu.yd., five laterals combined 95,000 cu.yd., from Briggs, Drew & Crane, Omaha, Neb., $0.07. Noted May 24.

CONTRACTS AWARDED

Wis., Milwaukee—B. E. Nickoll, 109 Wisconsin St., excavation for 10 story and basement, 42 x 100 ft., store and office, brick and concrete, plain and wood pile foundation, Grand Ave., to Froemming & Radthe, 1288 Humboldt Ave.; piling on above, to Great Lakes Dredge & Dock Co., 216 West Water St. See item under "Buildings."

Ark., Eudora—Eudora Western D. D. of Chicot Co., 3,543,000 cu.yd. excav. and 9.1 mi. channel clearing, Schedule D, to McWilliams Co., Inc., Exch. Bldg., Memphis, Tenn. Noted May 3.

Canada—Dept. Pub. Wks., Ottawa, Ont., to Soo Dredging and Constr. Co., Saulte Ste. Marie, Ont., dredging at Saulte Ste. Marie, Ont., $18,200; Randolph-MacDonald Co., Crown Office Bldg., Toronto, Ont., at Bowmanville, Ont., $6,500; Frontenac Dredging Co., Kingston, Ont., at Port Hope, Ont., $6,500; Dufresne & Marcheldon, Three Rivers, Que., at Nicolet, Que., $10,000 and St. Pierre, Que., $8,000; Lachance Ltd., 99 Dalhousie St., Quebec, Que., at Riviere du Loup, Que., $6,000. Noted May 3.

Streets and Roads

PROPOSED WORK

Mass., Medford — Voted $250,000 for street improvement, and $15,000 for new sewers. R. B. Coolidge, mayor. Engineer not selected.

Conn., Hartford—Plans covering Park River, rein.-con. slab, to be used for parking space. $180,000. R. N. Clark, city engr.

N. Y., Binghamton—Bd. Pub. Wks. and W. E. Weller, city engr., preparing plans paving 15,500 sq.yd. Court St., granite blocks. $100,000.

N. Y., Medina—Voted $36,000 bonds rein.-con. paving Park Ave. C. H. Peddle, village pres. Noted Mar. 15.

New Jersey—Clerk Joint Bridge Com. of Essex Co. (Newark) and Hudson Co. (Jersey City) soon takes bids reconstructing deck of Jackson St. bridge over Passaic River, concrete and wood block. $60,000. W. A. Stickel, Court House, Newark, and F. Radigan, Court House, Jersey City, engrs.

N. J., Trenton—Plans paving ½ mi. West Hanover St., sheet asphalt. J. E. English, City Hall, engr.

Pa., Erie—Making plans asphalt paving 31st St. $11,500, and 21st St. $13,500. F. G. Lynch, city engr.

Pa., Erie—Plans asphalt paving 29th St. $44,700. F. G. Lynch, city engr.

Pa., Erie—Plans asphalt paving Lincoln Park St. $35,600. F. G. Lynch, city engr.

Pa., Lewistown—Takes bids about July 1, paving 1 mi. Walnut St., brick and concrete, 20 ft., $40,000. R. H. Craig, Paxtang, Harrisburg, engr.

Pa., Scranton—Rejected bids opened June 7, asphalt paving South Webster and Willow Aves. Engrs. est. $59,616 and $11,634 respectively. Will readvertise. W. La Fontaine, dir. pub. wks.

W. Va., Parkersburg—Harris Dist., Wood Co., election June 26, to vote on $88,000 bonds for road work. B. C. Woodyard, Parkersburg, engr.

W. Va., Williamson—Hardee Dist., Mingo Co. election June 23 to vote on $160,000 bonds for road work. H. Cook, co. engr.

Fla., Tallahasse—Rd. Comrs. Leon Co. plan election to vote on $1,150,000 bonds constructing various roads.

Tenn., Dandridge—Jefferson Co. voted $82,000 bonds for various roads. Engineer not announced.

Tenn., London — London Co. making plans improving 4½ mi. road, 18 ft., probably limestone base. J. C. Creveling, Nashville, comr.

Kentucky—State Rd. Dept., Frankfort, having plans prepared constructing and surfacing 3.15 mi. Sect. A, and 3.4 mi. Sect. B, Newport-Falmouth Rd., State Project 21, Campbell Co., 18 ft. J. S. Boggs, state highway engr.

Kentucky — State Rd. Dept., Frankfort, having plans prepared grading 3.65 mi. Jackson-Hazard Rd., State Project 4, Sect. B, Perry Co.; surfacing 14.581 mi. Whitley City-Somerset Rd., State Project 22, Sect. D, McCreary Co. J. S. Boggs, state highway engr.

Ky., Madisonville — Hopkins Co. plans waterbound macadam paving 12.83 mi. Federal Aid Project 97. $287,840.

Ohio—Dept. Highways and Pub. Wks., Columbus, rejected bids May 25, grading, bridging and paving 11.076 mi. roads in Clark and Henry Counties. Noted June 7.

O., Steubenville—Soon takes bids repaving 4th St., asphalt $59,654, wood block $69,029. G. Teaff, city engr.

Ind., New Albany—Plans improving portions Jay St., Ekin and Vance Aves. To exceed $25,000. S. T. Mann, city engr.

Ind., Terre Haute—Vigo Co. plans concrete paving Co. Rd. 10, 34,128 sq.yd. Sect. 1 and 29,862 sq.yd. Sect. 2, $107,297 and $93,258 respectively; Co. Unit Rd. 9, 54,000 sq.yd. Sect. 1 and 48,310 sq.yd. Sect. 2, $138,444 and $131,698 respectively. R. E. Gibbons, Terre Haute, engr.

Michigan—State Hy. Dept., Lansing, rejected bids grading and concrete surfacing 14,303 sq.yd. State Trunk Line Rd. 11-32 Sect. B, Oceana Co. Noted Mar. 15.

Ia., Lamoni—Having preliminary plans prepared for paving, various types. $30,000. Shockley Eng. Co., 800 Graphic Arts Bldg., engrs.

Neb., Schuyler—Plans paving 35 blocks various streets, different types.

Streets and Roads (Continued)

Neb., Winnebago—Plans 15 blocks paving. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Missouri—State Hy. Dept., Jefferson City, plans grading, etc., 8 mi. roads, 30 ft., in Newton, Madison and Livingston Counties; 2 mi. road, 22 ft., rock asphalt, in St. Louis Co. E. H. Piepmeier, state highway engr.

Mo., Richmond Heights (St. Louis P. O.) Made plans concrete curbing, guttering and paving 17,600 sq.yd. Bellevue Ave., asphaltic penetration. $65,000-$70,000. Pitzman Eng. & Survey Co., 615 Chestnut St., St. Louis, engrs.

Tex., Crockett—Soon takes bids paving 16,000-20,000 sq.yd. bituminous, brick or concrete. $40,000. Baker & Von Zuben, Ellison Bldg., Ft. Worth, engrs.

Tex., Dallas—E. L. Dalton, engr., 1915½ Main St., soon takes bids 2 mi. of 20 ft. graveling, 4 mi. sidewalks, sewer and water mains, Brightside addition, for R. D. Lindley, Southwestern Life Bldg. $40,000.

Tex., Dallas—Koch & Fowler, engrs., Central State Bank Bldg., soon takes bids grading and graveling 4 mi. various streets on Bachman Creek at Cochrans Chapel, for J. M. Stephenson, c/o engineers. $30,000.

Tex., Dallas—Making plans traffic control, changes in viaduct approaches (Oak Cliff), opening Arlington St. to Jefferson St., widening Jefferson St. at Union Terminal and building an underpass for truck traffic. $250,000. E. A. Kingsley, city engr.

Tex., Ennis—Making surveys and takes bids in summer paving various streets. $65,000. H. McCanless, city engr. Noted Apr. 19.

Tex., Floresville — Wilson Co. election June 23, to vote on $200,000 bonds hard surfacing State Highway 9. Eligible to Federal aid. J. E. Canfield, co. judge.

Tex., Floresville—Wilson Co. voted $215,000 to be supplemented by State and Federal Aid, hard surfacing highways in Precints 1, 3, and 4, 18 ft., total cost $500,000. J. E. Canfield, co. judge.

Tex., Jacksonville—Making plans paving 30,000 sq.yd. various streets, bitulithic, brick or concrete. $100,000. H. N. Roberts, 4227 Irving Pl., Dallas, engr.

Tex., Leakey—Real Co. making plans grading and bridging 18 mi. State Highway 41, 24 ft. $70,000. W. E. Simpson Co., Natl. Bank of Commerce Bldg., San Antonio, engrs.

Tex., Paris—Lamar Co. making plans grading, concrete paving, etc., 11 mi. State Highway 5, 18 ft. $328,000. W. M. Fooshee, co. engr.

Tex., Pecos—Reeves Co. making plans grading and gravel surfacing 14 mi. Bankhead Highway, 18 ft. $101,740. S. S. Posey, resident engr.

Tex., San Antonio—Bexar Co. making plans grading, surfacing with gravel and 8 in. bituminous topping 3.26 mi. State Highway 3, 18 ft. $37,950. A. C. Pancoast, co. engr.

Tex., Sierra Blanca—Hudspeth Co. making plans grading, gravel surfacing, etc., 9 mi. State Highway 1, 18 ft. $26,000. J. W. Carter, El Paso, co. surveyor.

Okla., Broken Arrow—Plans paving Dist. 8, 12,110 sq.yd. concrete, 2,150 cu.yd. excav., 8,210 ft. curbing. $45,000. Wood & Witten, 246 Lynch Bldg., Tulsa, engrs.

Okla., Muskogee—Soon takes bids concrete paving, curbing and guttering various streets. $125,000. J. R. March, Muskogee, engr.

Okla., Sayre—Plans paving 10 blocks various streets. $55,000. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Welcetka—Soon takes bids paving Dists. 2 and 3, 7,500 sq.yd. vitr. brick, 20,000 sq.yd. 3 in. vertical fiber brick. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Wash., Seattle — Rejected bids grading and curbing 15th Ave. S. $44,636. Noted May 31.

California—State Hy. Comn., Sacramento, had plans prepared widening highway from 26 to 40 ft., incl. construction of two 8 ft. concrete shoulders, 8 in. thick, and new macadam surface over all, 5 mi. highway between San Mateo and San Bruno, San Mateo Co., 1.25 mi. highway south of San Mateo, San Mateo Co., 8 mi. highway in vicinity of Treacy, San Joaquin Co.; grading and gravel surfacing 11.5 mi. highway near Shelville, Sonoma Co. R. M. Morton, state highway engr.

Calif., Chula Vista—Voted $44,000 bonds paving National Ave.

Calif., Long Beach—Rescinded contract improving streets in Belmont Shore Dist. Will readvertise. Noted May 10.

Calif., Madera—Soon takes bids grading, concrete curbing, guttering and bituminous paving West Yosemite Ave., 6th and B Sts. Former contract rescinded, due to irregularities in proceedings. Noted May 10.

Calif., Redwood City—Had revised plans prepared improving various streets in Oak Knoll Manor, 9,785 cu.yd. excav., 305,400 sq.ft. oil macadam, 7,330 lin.ft. concrete curb and gutter, etc. To exceed $75,000. C. L. Dimmitt, city engr. Noted May 3.

Calif., San Diego—Common Council plans improving 30th St. from Adams to University Aves., 281,941 sq.ft. 1½ in. asphaltic concrete on 4 in. concrete, etc. F. A. Rhodes, city engr.

Calif., Santa Ana—S. Finley (contractor), Santa Ana, refused to sign contract due to alleged irregularities in proceedings for concrete curbing, guttering and paving Rd. Dist. 20, for Orange Co. Probably new bids. Noted May 17.

Calif., Santa Barbara—Santa Barbara Co. having plans prepared constructing H St. road between State Highway and Harris Station. To exceed $100,000. O. H. O'Neill, co. surv.

Que., Montreal—Plans paving various streets, 11,869 ft. asphalt, $287,064; 5,490 ft. concrete, $97,919; 35,187 ft. concrete sidewalk, $161,386; 18,041 ft. cement slab sidewalks, $14,612. H. Hadley, city engr.

Ont., Hamilton — Plans asphalt paving Dunsmure Rd., Robert, Sanford, Morros and East Bend Aves. $45,000. Prices wanted on materials. W. L. McFaul, City Hall, engr.

BIDS DESIRED

Rhode Island—June 22, by State Bd. Pub. Rds., Providence, paving 5.51 mi. Federal Aid Project 18, Contr. 2305; adv. this issue.

R. I., Central Falls—June 25, at office of Bd. Street, Water and Sewer Comrs., City Hall, widening and granite block paving Broad St. S. P. Cummings, city engr.

N. Y., Brooklyn—June 20, by E. Riegelmann, boro pres., Boro Hall, grading, curbing, flagging and concrete paving Coney Island Ave.; grading, curbing and flagging Kings Highway, 76th, 77th and 81st Sts.; curbing and flagging Lefferts Ave.; asphalt paving Newport, Osborn and Tehama Sts.

N. Y., Brooklyn—June 21, by Park Bd., Municipal Bldg., New York, grading, curbing and sheet asphalt paving Fort Hamilton Parkway, here. F. D. Gallatin, pres.

N. Y., Lockport—June 19, by F. Krull, clk. Bd. Supervs. Niagara Co., bituminous macadamizing 4.644 mi. Road 46, and concrete paving 0.743 mi. Military Rd. 49. T. J. Brennan, Lockport, co. engr.

N. Y., Long Island City—June 19, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., grading sidewalk and gutter space and laying sidewalks where necessary on Andrews St.; sheet asphalt paving Crescent and Linden Sts.; grading, curbing, laying sidewalks and sheet asphalt paving Gates Ave., Doubleday and Palmetto Sts.; grading southeasterly sidewalk space, laying sidewalks and crosswalks on Jay Ave.; grading and curbing Troutman St.; grading, curbing and laying sidewalks on Van Cott Ave. and 101st St.; curbing and sheet asphalt paving Queens Blvd.

N. Y., New York—June 21, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., repaving with granite block White Plains Rd., Melrose Ave., Boston Rd., Jerome Ave. from Clinton Pl. to Fordham Rd., Jerome Ave. from Cromwell Ave. to East 176th St.; curbing, laying sidewalks and bituminous concrete paving East 172nd and West 238th Sts.; sheet asphalt paving Charlotte St.; granite block and sheet asphalt paving Tiebout Ave.; grading Godwin Terrace; grading, curbing and laying sidewalks on Cruger Ave. and East 157th St.; grading, regrading, laying sidewalks and asphalt paving Bryant Ave.; sewers in Bronx and Pelham Parkways, Jarvis, Wayne and Tryon Aves.

N. Y., New York—June 21, by J. Miller, pres. Manhattan Boro, Municipal Bldg., changing park strips on Park Ave. from 34th and 39th Sts.

N. Y., New York—June 21, by Park Bd., Municipal Bldg., repaving Mosholu Ave., Van Cortlandt Park from Bway. to Golf Links Rd. F. D. Gallatin, pres.

New Jersey—June 25, by State Hy. Dept., Trenton, paving Route 4, Sect. 21, Point Pleasant-Laurelton Rd., Ocean Co., reinf.-con. and Route 5, Sect. 10, Chatham-Brantwood Rd., Morris, Essex and Union Counties, sheet asphalt, granite block and reinf.-con. A. L. Grover, ch. clk.; adv. this issue.

N. J., Mount Holly — June 29, by Bd. Freeholders Burlington Co., reconstructing Rd. 19, Bridgeboro to Chester Ave., Delran and Moorestown Twps., Rd. 3, Vincentown-Cross Roads Rd., Southampton Twp., also Rd. 15, Florence Rd., Florence Twp. H. B. Smith, co. engr.; adv. this issue.

N. J., Newton—June 27, Sandystone Twp. Com. of Sussex Co., at Grange Hall, Layton, macadamizing Sandystone Twp. Rd. 2. H. Snook, Newton, engr.; adv. this issue.

N. J., Trenton—June 22, for sheet asphalt and granite block pavement on 6 in. concrete. J. E. English, engr. of streets; adv. this issue.

Pa., Ebensburg—June 20, by Susquehanna Twp., c/o H. T. Jones, controller Cambria Co., 3.25 mi. Susquehanna Twp. Rd., 16 ft., one course rein.-con. and brick on concrete. $120,000. C. E. Schlicher, Spangler, engr. Noted May 3.

Pa., Erie — June 22, asphalt paving 7 streets in Frontier Pl. Subdivision. $250,000. F. G. Lynch, city engr. Noted Mar. 15.

Pa., Greensburg—July 6, by Comrs. Westmoreland Co., reconstructing 1 mi. Bolivar-West Fairfield Rd., Fairfield Twp., 2.4 mi. Irwin-Hahntown-Herminie Rd., Sewickley Twp., 4,170 ft. Edgecliff-Braeburn Rd., Lower Burrell Twp. W. A. Arter, co. controller.

Pa., Roaring Spring—June 21, by Boro Council paving Park Ave. and West Main St., 5,500 sq.yd. rein.-con., 1,750 cu.yd. excav., 1,300 lin.ft. 18 in. curb, etc. $25,000. J. L. Henry, Walsh Bldg., Hollidaysburg, engr.

Pa., Washington—June 18, for 6,000 sq. yd. paving, vitr. brick on concrete (brick to be furnished by boro). J. F. Curran, pres.

Delaware—June 27, by State Hy. Dept., Dover, improving 4.58 mi. Contr. CN 13, 6 mi. Contr. CK 16, 1.58 mi. Contr. 45, and Contr. M 8; adv. this issue.

North Carolina—June 27, by State Hy. Comn., Raleigh, hardsurfacing with concrete or asphalt various roads in Hyde, Wilson, Pitt, Greene, Craven, Harnett, Alamance, Rowan and Henderson Counties; topsoiling, sand clay, gravel or grading various roads in Halifax, Hertford, Bertie, Northhampton, Person, Anson, Alleghany, Stokes, Burke, Henderson, McDowell and Yancey Counties; penetration or water bound macadam paving roads in Alamance, Guilford, Montgomery, Avery, Graham and Macon Counties; bridge in Bladen Co.; overhead crossing in Burke Co.; adv. this issue.

Ga., Augusta—June 25, by Permanent Paving and Civic Impvts. Com. of City Council, paving 5th, Twiggs and Broad Sts., Savannah and Milledgeville Rds. W. H. Wise, city engr. and comr. Pub. Wks.; adv. this issue.

Ga., Thomasville—June 25, by Mayor and Council, City Hall, Contr. A, 17,304 lin.ft. concrete curb and gutter, 1,364 lin.ft. granite curb, 10,919 sq.yd. sidewalk, Contr. B, 13,891 sq.yd. street paving, 3,003 cu.yd. excav.; 1,775 lin.ft. 18-24 in. storm sewer in various streets. C. G. Wright, Albany, engr.

Tennessee—June 22, by State Dept. Hys. and Pub. Wks., Nashville, improving 10.7 mi. State Aid Project 119, Robertson Co., 10.693 cu.yd. common excav., 100,441 sq.yd. broken stone base course "B" "3," 100,441 sq.yd. 2½ in. bituminous surface penetration; grading, surfacing and constructing base on approach to Cumberland River Bridge, Federal Aid Project 16, Sect. C, constructing and placing pipe necessary to draining lowlands adjacent to bridge site, Federal Aid Project 16, Sect. D., 2.04 mi. grading and surfacing Federal Aid Project 91, Montgomery Co., 36,279 cu.yd. common, 7,394 cu.yd. solid rock and 51,983 cu.yd. borrow excav., 27,470 cu.yd. overhaul, 21,340 sq.yd. hand placed coarse stone base "C," 20,693 sq.yd. 2½ in. bituminous macadam surface, etc. J. G. Creveling, Jr., Nashville, comr.

Ky., Central City—June 22, for 22,604 sq.yd. rock asphalt paving, part on macadam and part on concrete. Other standard types of paving will be considered. C. W. Wardle, city engr.

Ohio—June 22, by L. C. Herrick, dir. Highways and Pub. Wks., Columbus, grading., curbing and paving 7.11 mi. Cincinnati-Chillicothe Rd. I. C. H. 8, 20 ft., 72,000 sq.yd. bitulithic or bitoslog, etc., $575,077.

O., Akron—June 20, by S. Porter, clk. Summit Co., grading and graveling 6,000 sq.yd. Sharon-Fairlawn Rd., $14,670; grading and paving 45,700 sq.yd. Richfield-Hudson Rd., Sect. SE-1, E-2, F and G, bituminous concrete or bituminous macadam, $160,078; 4.12 mi. Cleveland-East Liverpool Rd. 12, 16 ft., bituminous macadam or bituminous concrete with macadam base; 2.05 mi. Barberton-Springfield Rd. 14, Sect. D, 17 ft., bituminous concrete or brick; 0.27 mi. East Akron-Brimfield Rd. 90, 16 and 18 ft., granulated slag, tarvia bound macadam or asphaltic concrete. J. Weaver Court House, engr.

O., Akron—June 20, by Summit Co. paving 2 mi. Barberton-Springfield Rd. 14, Sect. D, $111,237; 0.77 mi. East Akron-Bromfield Rd. 90, Sect. A1, $28,762; 4.12 mi. Cleveland-East Liverpool Rd. 12; 5 mi.

Streets and Roads (Continued)

Richfield-Hudson Rd. 19, Sect. E, $160,000, all 18 ft. wide, macadam or asphalt. J. Weaver, Court House, engr.

O., Akron—June 25, by W. F. Peters, dir. Pub. Serv., grading and laying cement sidewalks on 4,400 ft. Bacon and Noble Aves., $37,000; grading, laying sidewalks and paving 7,735 ft. Work Dr., Annadale and Madison Aves., 26 ft., River, Johnston and Factory Sts., 30 ft., $198,400; widening, laying sewers and resurfacing 2,162 ft. South Main St. and Ira Ave., 40 ft., $68,000; grading, laying sewers and paving 4,000 ft. South Main St., 40 ft., $119,000, vitr. brick, asphalt or granite block. E. A. Kemmler, Delaware Bldg., engr.

O., Akron—July 3, by S. Porter, clk. Summit Co., grading and paving county home grounds, 20,000 cu.yd. earth excav., 4,100 sq.yd. 5 in. waterbound macadam and 1½ in. asphaltic top, etc. $26,260. J. Weaver, Court House, engr.

O., Cleveland—June 20, by Cuyahoga Co. paving Lander Rd., 4,500 cu.yd. earth excav. and 14,000 sq.yd. 8 in. concrete, etc. $67,244. F. Lander, Court House, engr.

O., Columbus—June 19, by W. H. Duffy, dir. Pub. Serv., grading, laying water services and sewer connections and paving 3,138 ft. Broderick and Bradley Sts., alley north of Gates St., alley west of Summit St., alley north of King Ave. and alley north of Reinhard Ave., brick, concrete or asphalt; 6,941 ft. 12-30 in. vitr. storm sewer extending over several streets and alleys from alley west of Chase Ave. to Crescent Dr., $7,523. R. H. Simpson, city engr.

O., Garfield Heights (Bedford, P. O.)—June 26, for 30,000 sq.yd. vitr. brick or asphalt pavement on concrete, on East 107th, 108th, 109th and 111th Sts., Runnymead, Langton and Wadsworth Aves. $200,000. R. Munz, Town Hall, engr.

Ind., Portland—June 16, by Auditor Jay Co., concrete paving 16,742 sq.yd. Arbaugh Rd. $47,200. H. Teeters, Portland, engr.

Michigan — June 22, by F. F. Rogers, comr. State Hy. Dept., Lansing, concrete paving 1.564 mi. State Trunk Line Rd. 16-12 and 0.872 mi. State Trunk Line Rd. 39-7, both 20 ft., Ionia Co.

Michigan — June 26, by R. F. Rogers, comr. State Hy. Dept., Lansing, concrete paving 0.635 mi. Federal Aid Rd. 60, Sect. B, 1.785 mi. Federal Aid Rd. 69, Sect. A, both Livingston Co., 3.919 mi. Federal Aid Rd. 70, Sect. A, Oakland Co., 6.665 mi. Federal Aid Rd. 88, Sect. A, Ingham Co., all 20 ft.

Michigan — June 27, by F. F. Rogers, comr. State Hy. Dept., Lansing, grading and 0.994 mi. Federal Aid Rd. 98, Sect. B and 2.748 mi. Federal Aid Rd., 1 Sect. A, Kent Co.

Michigan — June 28, by F. F. Rogers, comr. State Hy. Dept., Lansing, concrete paving, etc., 2.048 mi. Federal Aid Rd. 117, Sect. A, Ottawa Co., 3.025 mi. Federal Aid Rd. 117, Sects. B and C, Muskegon Co., both 18 ft; grading 0.663 mi. Federal Aid Rd. 120, Sect. B, Ottawa Co.; Bridge File No. 700402, 90 ft. concrete girder, Bridge File No. 701602, 40 ft. concrete girder, both Ottawa Co.

Michigan — June 29, by F. F. Rogers, comr. State Hy. Dept., Lansing, concrete paving, etc., 1.251 mi. State Trunk Line Rd. 13-22, Allegan Co., and 5.811 mi. Federal Aid Rd. 101, Van Buren Co., both 20 ft.

Ill., Elmhurst—June 18, concrete paving West Park Ave. $36,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Sycamore—June 19, by J. G. Betty, clk., 7 in. concrete paving 5,913 sq.yd. Maple and Sycamore Sts. W. M. Hay, city engr.

Wis., Milwaukee—June 18, by Dept. Pub. Wks., for 50,786 sq.yd. concrete paving, etc., in 14 alleys.

Minn., St. Paul—June 18, by G. J. Ries, aud. Ramsey Co., improving Project 23-65, 2,620 sq.yd. one course concrete pavement, 1,674 sq.yd. bituminous filled brick pavement on concrete base, 1,037 gutter, plain rubble; Project 23-05, 3,523 sq.yd. one course concrete or vibrolithic pavement. $30,000. P. N. Coates, co. surv.

Minn., St. Paul—July 2, by G. J. Ries, aud. Ramsey Co., paving New Brighton Rd., 24,561 sq.yd. one course concrete, 1,360 lin. ft. concrete curb, 8,291 cu.yd. excav., $70,000; Edgerton St., 11,496 sq.yd. one course concrete, 4,818 cu.yd. excav., etc., $35,000. P. N. Coates, co. surv.

Kan., Holton — June 22, by Black & Veatch, engrs., 701 Mutual Bldg., Kansas City, Mo., paving various streets, different types, for city.

Kan., Kansas City—June 25, by O. K. Williamson, engr., Kansas City, constructing road between Wyandotte Co. and Bonner Springs, 2,500 yd. concrete, 6,000 yd. concrete or rock asphalt, for Wyandotte Co. and city. $30,000.

Kan., Kansas City—June 30, by O. K. Williamson, engr. Wyandotte Co., constructing concrete or bituminous macadam road, 16 ft. $100,000.

Neb., Valley — June 25, by Henningson Eng. Co., Natl. Bank Bldg., Omaha, 8,000 sq.yd. paving, for city. $25,000.

Mo., Maplewood (St. Louis P. O.)—July 5, 8,546 sq.yd. 6½ in. concrete paving and 2,031 cu.yd. grading on Richmond Pl., Commonwealth and Bellevue Sts. $31,351. A. H. Beard, 616 Title Guaranty Bldg., St. Louis, engr. Noted May 24.

Tex., Dallas—E. L. Dalton, engr., 1915½ Main St., taking bids paving various streets, 14,000 sq.yd. asphaltic concrete, 13,000 ft. concrete curb and gutter, 54,000 sq.ft. sidewalk, for S. A. Temple, 3659 Maplewood St. $35,000.

Colorado—June 19, by State Hy. Dept., Denver, concrete paving 5.0659 mi. Federal Aid 135, Jefferson Co., 1,544 cu.yd. concrete, 60,600 cu.yd. earth and 1,600 cu.yd. rock excav., 53,330 sq.yd. 1 course concrete, alternate bids on bituminous surfacing on concrete, $212,445; gravel surfacing 4.748 mi. Federal Aid Project 208-C, Mesa Co., 421 cu.yd. concrete, 50,200 sq.yd. gravel surfacing, 13,400 cu.yd. earth and 100 cu.yd. rock excav., $59,830; grading and gravel surfacing 2.144 mi. State Project 714, Garfield Co., 22,640 sq.yd. gravel, 3,300 cu.yd. common and 500 cu.yd. solid rock excav., 3,000 cu.yd. borrow fill, $12,839. L. D. Blauvelt, state highway engr.

Colorado—June 20, by State Hy. Dept., Denver, gravel surfacing 2.082 mi. Federal Aid Project 214, La Plata Co., 19,550 sq.yd. gravel, etc., $60,217; concrete paving 2.702 mi. Federal Aid Project 225-A, Morgan Co., 28,520 sq.yd. one course plain cement concrete, alternate bids on side drain culverts and bituminous surfacing on concrete, $89,988, 2,868 mi. Federal Aid Project 226-B, Weld Co., 30,180 sq.yd. one course concrete, alternate bids on bituminous surfacing on concrete, etc., $106,611; gravel surfacing and bridging 0.587 mi. Federal Aid Project 229, Fremont Co., 5,940 sq.yd. gravel, 16,300 lb. structural, 18,900 lb. reinforcing 273 cu.yd. concrete, Bridge Sta. 968, 464 cu.yd. concrete, 122,000 lb. structural and 42,500 lb. reinforcing steel, etc., $37,930. L. D. Blauvelt, state highway engr.

California — July 2, by State Highway Comn., Sacramento, grading and gravel surfacing 4.5 mi. highway between Gilroy and San Felipe, Santa Clara Co. R. M. Morton, state highway engr.

Calif., San Bruno—City Trustees receiving bids improving Tucker, Linden and Cypress Sts., etc., 30,000 cu.yd. grading, 246,000 sq.ft. waterbound macadam, etc. To exceed $25,000. G. A. Kneese, Redwood City, co. surv. Noted May 10.

Calif., Santa Monica—City Trustees receiving bids improving Kensington Rd., 7th and Cedar Sts., etc., 157,541 sq.ft. grading, 109,467 sq.ft. oil and rock pavement, 33,283 sq.ft. walks, etc. J. A. Morton, city engr.

Calif., Stockton—City Council receiving bids improving Ash, Laurel, B and East Hazelton Sts., etc., 33,862 sq.ft. walks, 122,730 sq.ft. 2 in. asphaltic macadam on 4 in. cementing gravel, etc. To exceed $25,000. W. B. Hogan, city engr. Noted May 10.

Calif., Stockton—City Council receiving bids improving Channel St., between Center and Cross Sts., and Cross St. between Channel and Merchant Sts., 17,901 sq.ft. 3 in. cementing gravel base, 3 in. asphaltic concrete base with 2 in. asphaltic concrete surface, etc.; East Weber Ave. and C St., 30,122 sq.ft. 7 in. pavement, 2½ in. crushed base, 2½ in. asphaltic concrete base with 2 in. asphaltic concrete surface, 8,469 sq.ft. 3 in. crushed rock base with 2 in. asphaltic concrete surface, etc.; portion Court St., 21,702 sq.ft. 3 in. crushed rock base, 2 in. asphaltic macadam surface, etc. W. B. Hogan, city engr.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, June 6, curbing and asphalt paving (1) Bay 22nd St. (2) Farragut Rd. (3) Ave. L (4) Louis St. (5) Ovington Ave. (6) Stoddard Pl. (7) 7th Ave. (8) 16th Ave. (9) 56th St. (10) 58th St. (11) 78th St. from 15th to 16th Aves. (12) 78th St. from 17th to 18th Aves. (13) 83rd St. (14) Bay 35th St. (15) Bergen Pl. (16) Delamere Pl. (17) East 8th St. (18) East 9th St. (19) East 10th St. (20) East 15th St. (21) Highlawn Ave. (22) Ave L (23) 17th Ave. (24) 54th St. (25) 54th St. (26) 61st St. (27) 73rd St. (28) 75th St., from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., (1) $3,557 (8) $25,628 (19) $18,763 (21) $17,384; Uvalde Asphalt Paving Co., 1 Bway., New York, (2) $9,722 (6) $2,693 (7) $4,278 (16) $12,570 (25) $18,414; Cranford Co., 52 9th St., (3) $4,399 (9) $9,316 (10) $9,419 (11) $8,512 (12) $9,179 (13) $10,768 (14) $19,224 (20) $10,332 (26) $10,006 (28) $12,348; Borough Asphalt Co., 1301 Metropolitan Ave., (4) $12,303 (5) $16,694; W. J. McHale Contg. Co., 1250 Jefferson St., (15) $4,817 (22) $6,540 (23) $2,756 (24) $3,172 (27) $6,590; Cleveland Trinidad Paving Co., Flushing, (17) $26,609 (18) $10,791. Noted May 31.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., June 5, from Uvalde Asphalt Paving Co., 1 Bway., New York, sheet asphalt paving Havemeyer St. $17,905, 107th St. $19,083, curbing, laying sidewalks and sheet asphalt paving Roosevelt Ave. $11,315, Beach 117th St. $22,050, Beach 122nd St. $15,535; from Kennedy & Smith, 15 Amity St., Flushing, 107th St. $9,470. Noted May 31.

New Jersey—State Hy. Dept., Trenton, June 4, from C. T. Kavanaugh, West 23rd St., Bayonne, concrete paving 38,613 sq.yd. Route 4, Sect. 19, Sea Girt-Belmar Rd., Monmouth Co., 99.47% engrs. est. ($178,369), 44,673 sq.yd. Route 5, Sect. 2 A, Hackettstown-Drakettown Rd., Morris and Warren Counties, 104.83% engrs. est. ($185,329), 39,130 sq.yd. Route 16, Sect. 6, Passaic River to Morris Twp., Morris County, 103.94% engrs. est. ($201,326); from J. Dorer, 644 Nye Ave., Irvington, 28,690 sq.yd. Route 9, Sect. 10, Bound Brook to Lincoln Ave., Middlesex Co., 108% engrs. est. ($162,754). Noted May 17.

N. J., Freehold—Monmouth Co., improving 2.39 mi. Allenton-Red Valley Rd., gravel on slag, from W. H. Flitcroft, Farmingdale, $42,220.

N. J., South Orange—Streets & Highways Com. of Bd. Trustees, June 4, grading, curbing and paving 4,000 ft. Prospect St., 30 and 36 ft., 3 in. sheet asphalt on 6 in. concrete, from J. Sellito, 320 Clarke St. $79,797. Engrs. est. $30,000. Noted May 10.

Pennsylvania—State Hy Comn., Harrisburg, June 7, paving with bituminous on concrete or one course rein.-con., Application 2112, Economy Twp., Beaver Co., 6,659 ft., from H. V. Kirker Co., 3223 5th Ave., Beaver Falls, $77,086; Application 2245, Springboro Borough, Crawford Co., 6,241 ft., H. W. Horst Co., Horst Bldg., Rock Island, Ill., $46,762; Application 2308, Route 304, North East Twp., Erie Co., 12,214 ft., C. H. Fry Constr. Co., 609 West 19th St., Erie, $100,552; Application 2307, Route 88, Venango Twp., Erie Co., 24,395 ft., Meredith & McVaugh, 220 Horton Ave., Detroit, Mich., $190,583; Application 2271, Route 233, Scott and Plain Grove Twps., Lawrence Co., 18,189 ft., Burns & Burt, 411 Wayne Ave., Ellwood City, $199,392; Application 2175, Route 216, Sect. 3, Chancefore Twp., York Co., 26,812 ft., Comerford Constr. Co., 125 South 5th St., Phila., $235,183; Route 73, Center and Butler Twps., Butler Co., 11,202 ft., C. E. Walter, Butler, $106,977; Route 18, Loyalsock Twp., Lycoming Co., G. I. Thompson, Co., Clearfield, $91,358; one course rein.-con. and hillside vitr. brick, Applications 1928, 1929, 1930 and 1931, Route 218, Edenburg Borough, Clarion Co., 6,996 ft., G. V. Barnard, Clarion, $70,373; one course rein.-con., Application 2217, Route 91, Washington Twp., Clarion Co., 12,696 ft., R. V. Baldwin, 1361 4th Ave., Corapolis, $122,279; Route 68, White Twp., Indiana Co., 2,727 ft., Owen & Plummer, Inc., Otto Bldg., Johnstown, $29,972; Applications 2202 and 2203, Hanover and East Allen Twps., Northampton Co., 22,886 ft., W. A. Palmer, 431 East North St., Bethlehem, $176,316; Route 175, Upper Nazareth Twp., Northampton Co., 20,586 ft., Ward & Tulley, Inc., 189 Montague St., Brooklyn, N. Y., $138,096; bituminous macadam (penetration method) on reconstructed base, Routes 69 and 70, South Buffalo and Buffalo Twps., Armstrong and Butler Counties, 14,368 ft., Garvey-Weyenberg Constr. Co., 807 College Ave., Appleton, Wis., $93,824; Route 141, Tilden Twp., Berks Co., 21,666 ft., W. Supplee Co., Wayne, $93,160; Route 170, Fairview and Hanover Twps., Luzerne Co., 19,618 ft., H. B. Sproul Constr. Co., Inc., 218 Adams Ave., Scranton, $78,991; bituminous macadam (penetration method) or bituminous surface course on reconstructed base course, R-247 Rostraver and Washington Twps., Westmoreland and Fayette Counties, 12,262 ft., Gravey-Weyenberg Constr. Co., 807 College Ave., Appleton, Wis., $66,732; Route 117, North Union Twp., Fayette Co., 8,374 ft., Warren Bros. Co., 9 Cambridge St., Boston, Mass., Spec. "D" $54,357; Route 69, Hempfield Twp., Westmoreland Co., 10,300 ft. and Route 108, North and South Strabane Twps., Washington Co., 16,413 ft., Smith Constr. Co., 707 Wick Bldg., Youngstown, O., Spec. "D," $56,327 and $92,864 respectively. Noted May 24.

Pennsylvania—State Hy. Comn., Harrisburg, June 8, paving bituminous surface course on concrete or one course rein.-con. Application 1942, Route 204, Chippewa and Patterson Twps., Beaver Co., 7,979 ft., from

Streets and Roads (Continued)

H. V. Kirker Co., 3223 5th Ave., Beaver Falls, $75,948; Application 1940, Routes 214 and 311, Sligo Borough, Clarion Co., 5,187 ft., T. W. Munroe & Co., DuBois, $55,307; Applications 2325 and 2326, Route 83, Pine and Conneaut Twps., Crawford Co., 20,149 ft., H. E. Bunce, Cambridge Springs, $155,501; Application 2329, Route 304, Amity Twp., Erie Co., 12,508 ft., J. C. Devine Co., Linden and Columbia Sts., Alliance, O., $102,717; Route 73, Mercer Twp., Butler Co., 10,548 ft., C. Winters Constr. Co., Renfrew, $88,264; Route 196, Richmond and Covington Twps., Tioga Co., 13,977 ft., J. De Long, 129 West 4th St., Williamsport, $150,648; Application 1950, Hopewell Twp., Beaver Co., 5,147 ft., H. V. Kirker Co., 3225 5th Ave., Beaver Falls, $50,102; Application 2309 and 2310, East Allen and Hanover Twps., Northampton Co., 15,537 ft., W. A. Palmer, 431 East North St., Bethlehem, $116,990; Applications 2268 and 2269, Route 50, Confluence Boro., Somerset Co., 2,875 ft., M. F. McCabe & Co., 309 Deveny Bldg., Fairmount, W. Va., $42,834; one course rein.-con. or one course rein.-con. and bituminous macadam (penetration method) on broken stone, Application 2025, Derry and Londonderry Twps., Dauphin Co., 22,890 ft., Stucker Bros. Constr. Co., 9 Russ Bldg., Harrisburg, $158,827; bituminous surface course on concrete and hillside vitr. brick or one course rein.-con. and hillside vitr. brick, Application 2005, Routes 165 and 166, Wind Gap Boro., Northampton Co., McInerny & McNeal, Inc., 702 Northampton Natl. Bank Bldg., Easton, $134,918; bituminous macadam (penetration method) on reconstructed base course, Route 53, Juniata, Blair and Allegheny Twps., Blair Co., 26,018 ft., Paul Constr. Co., Inc., 718 Harris Bldg., Phila., $100,870; Route 281, Middletown Twp., Bucks Co., 22,080 ft., J. J. Barrett, P. O. Box 704, Trenton, N. J., Spec. "D," $77,223; Route 152, Doylestown and Buckingham Twps., Bucks Co., 16,803 ft., W. C. Guncheon & Co., Smethport, $78,426; bituminous macadam (penetration method) or bituminous surface course on reconstructed base course, Route 247, Perry and Dunbar Twps., Fayette Co., 23,849 ft., Jones Constr. Co., Salem, O., $133,019; Route 111, Franklin Twp., Greene Co., 12,017 ft., Reed & Moore, Waynesburg, Spec. "D," $82,589; Route 163, South Whitehall Twp., Lehigh Co., 19,500 ft., S. N. Weaver as Weaver Contg. Co., 1409 Linden St., Allentown, $97,338; Route 118, Hempfield Twp., Westmoreland Co., 23,917 ft., Smith Constr. Co., 707 Wick Bldg., Youngstown, O., Spec. "D," $123,312. Noted May 24.

Delaware—State Hy. Dept., Dover, improving 5.59 mi. Kenton-Smyrna Rd., Contr. CK-7, from Hammil & Moriarity, Baltimore, Md., $195,665; 0.738 mi. Viola-Canterbury Rd., Contr. CK-12, from Baton Constr. Co., Presser Bldg., Phila., stone concrete $32,715, slag concrete, $32,128; 3.557 mi. Hartly-Pearsons Rd., Contr. CK-5, from Harrison Eng. & Constr. Co., Ellicott Sq., Buffalo, N. Y., $112,214; 6.3 mi. Leipsic-Symrna Rd., Contr. CK-15, from Golove Eng. & Constr. Co., Phila., $200,403. Noted May 24.

D. C., Wash.—Dist. Comrs. 509 Dist. Bldg., laying approximately 35,000 sq.yd. cement sidewalks, from W. F. Brenizer & Co., 101 New York Ave., Class A $2.31, Class B $2.45. Noted June 7.

Ky., Paducah—Bd. Pub. Wks., 67,000 sq. yd. concrete paving, 9,000 lin.ft. curbing, etc., from Yancey & Johnson, Paducah, $170,000. Noted May 17.

O., Akron—W. F. Peters, dir. Pub. Serv., May 28, repaving and widening with (1) vitr. brick (2) granite block (3) asphalt, (a) 715 ft. West Market St. (b) 2,400 ft. Delia Ave. (c) 1,400 ft. South Arlington St., from T. E. McShaffrey Constr. Co., 171 South Forge St., (1a) $40,359 (1b) $61,937 (1c) $37,780 (2a) $78,342 (2c) $71,884; McAlonan Bros., 197 West Buchtel Ave., (3a) $25,973. Noted May 3.

O., Cincinnati—Hamilton Co., June 8, grading and paving 13,100 sq.yd. Boomer Rd., bituminous macadam, from W. P. Flynn, Dana and Chase Sts., $30,688; Zig Zag and Elm Rds., from A. C. Pickelheimer, 3555 Mooney Ave., $27,890 and $9,834 respectively. Noted May 31.

O., Cleveland—Grading, curbing and paving 12,400 sq.yd. West Blvd., asphalt, from Baldwin Bros., 4500 Euclid Ave., $62,844. 8,400 sq.yd. East 82nd St., asphalt from Bentley Bros., Union Bldg., $24,256. Noted May 24.

O., Cleveland—Improving Woodland Ave., 19,600 lin.ft. 4 in. French drain gutter, 17,100 cu.yd. earth excav., 56,450 sq.yd. 3 in. (a) lake or (b) oil asphalt on 8 in. concrete, from Cleveland Trinidad Paving Co., The Arcade, (a) $311,833 (b) $305,059. Noted May 31.

O., Cleveland—Cuyahoga Co. improving Snow Rd., 13,000 cu.yd. earth excav., 18,440 sq.yd. vitr. brick, 3,880 cu.yd. 8 in. concrete base, 19,500 ft. of 4 in. sewer pipe, etc., from Ohio Contg. Co., Elyria, $116,687. Noted May 31.

Ind., Jeffersonville—Clark Co., June 4, gravel surfacing 8.8 mi. Wm. D. Taylor Rd., Owen and Washington Twps., from J. Smith, Jeffersonville, $71,488, engrs. est. $85,187; surfacing 4.78 mi. George Lindemeyer Rd., Oregon Twp., from Denny & Horton, Jeffersonville, $44,808, engrs. est. $46,776. Noted May 17 and 31.

Wis., La Crosse—Bd. Pub. Wks. paving 12 streets, from White Constr. Co., 68 Wisconsin St., Milwaukee, asphalt $127,955, asphaltic concrete $131,296, warrenite bitulithic $135,172 and $138,513 (using asphalt seal coat); T. E. Wooley, 148 West Ave. S., 3 in. brick $134,587. Noted May 24.

Minn., Minneapolis — Bd. Park Comrs., June 5, colored cement sidewalks, 6,500 sq. yd. on Lake of the Isles Blvd., and south and west shores Cedar Lake, 9,000 sq.yd. St. Anthony Blvd. and 8,000 sq.yd. Minnehaha Parkway, from Simonson & Emstad, Albert Lea, $1.43 per sq.yd., total $33,605. Noted May 24.

Neb., Lincoln—State and Douglas Co., paving 11½ mi. Military Rd., from Natl. Paving Co., 310 Arthur Bldg., Omaha, brick $543,074; A. H. Read Constr. Co., 329 Leflang Bldg., Omaha, asphalt $383,279, asphaltic concrete $352,522; American Paving Co., 1325 Grace St., concrete $341,875.

Calif., Los Angeles—Grading and paving Badger Ave. and Dock St., $17,775 sq.ft. 2 in. warrenite bitulithic on 8 in. concrete, from H. H. Peterson, Spreckels Bldg., San Diego, $113,314, on 7 in. concrete from W. D. McCray, Amer. Bank Bldg., $102,879; 2 in. warrenite bitulithic surfacing from Griffith Co., Railway Bldg., $30,188. Noted May 24.

Calif., Los Angeles—Los Angeles Co., improving Alameda St., 90,417 sq.ft. shaping roadbed, 90,417 sq.yd. concrete, 1,050 sq.yd. asphaltic concrete, 4,400 tons disintegrated granite shoulders, 1,050 sq.yd. flush coat, etc., from Southwest Paving Co., Washington Bldg., $149,008. Noted May 17.

Calif., Los Angeles—Los Angeles Co., improving road between Fish Canyon Rd. and Azusa, 17,700 cu.yd. embankment, 2,800 cu. yd. concrete, etc., from W. D. McCray, Amer. Bank Bldg., $43,348.

Calif., San Diego—Common Council, improving East St. from 16th to 25th Sts., from California Constr. Co., Union Bldg., 146,186 sq.ft. 1½ in. warrenite on 2½ in. bituminous, at $0.20 per sq.ft., etc., total $30,049. Noted Apr. 5.

CONTRACTS AWARDED

Mass., Boston—Bitulithic paving 2,000 ft. Gloucester and Hereford Sts., 20-25 ft., to Warren Bros., Parkman Bldg., $29,921; sheet asphalt paving 2,000 ft. Concord St., 20-25 ft., to Central Constr. Co., 228 Southampton St., Roxbury (Boston, P. O.), $34,645.

N. Y., Buffalo—A. W. Kreinheder, com. Pub. Wks., to Rock Asphala Paving Co., Morgan Bldg., asphalt paving 7th St., $44,520, Delaware Ave. (new part) $30,724, Florida St. $22,679, 4th St. $6,184, Delaware Ave. (new part) $99,258; to H. P. Burgard Co., 1968 Fillmore Ave., Arthur Ave. $29,380, Dewitt St. $15,535. Noted Apr. 26.

N. Y., Herkimer—Herkimer Co. will construct Smoky Hollow Rd., bituminous macadam, $11,409, Elizabethtown Rd., concrete, $83,600, Litchfield St., concrete, $41,000 and Welsh-Bush Rd., bituminous macadam, $7,342, by day labor under supervision of R. J. Curtis, co. supt. highways.

N. Y., Niagara Falls—Paving Maple Ave., sheet asphalt, and Ashland Ave., bitulithic, to Read-Coddington Eng. Co., Niagara Falls, $15,574 and $24,193 respectively; Sugar St., rein.-con., 5th and 13th alleys, both concrete, to J. F. Kinney Corp., Gluck Bldg., $39,998, $6,601 and $2,377 respectively. Noted May 3 and 21.

N. Y., Poughkeepsie—Bd. Pub. Wks., Eastman Park Mansion, asphalt, granite block and brick pavements, etc., to Spoor-Lasher Co., Inc., Market St., $316,691. Noted May 3.

N. Y., Schenectady—Bd. Contr. & Supply, resurfacing State St., granite block, to W. P. McDonald Constr. Co., 613 Peek St., $27,822.

N. Y., Troy—Bd. Contr. & Supply, concrete paving Lanin Court, 6th Ave., 2nd, 18th and 23rd Sts., to Fitzgerald Bros. Constr. Co., Proctor Bldg., $170,503.

N. J., Audubon—Boro Comrs., concrete paving various streets, to Union Paving Co., 30th and Locust Sts., Phila., $321,718. Noted May 17.

N. J., New Brunswick—Middlesex Co., paving ½ mi. Colonial Rd., 8 in. concrete, to Ford Constr. Co., Fords, $49,477.

Pa., Corry—Asphalt and brick paving 11 streets, to Keystone Constr. Co., Meadville. Noted May 3.

Pa., Scranton—Asphalt pavement on Harrison Ave., to Sweeney Bros., Scranton, $73,522; Wheeler Ave., to H. B. Sproul Constr. Co., Scranton, $97,822.

Pa., Scranton — Asphalt paving Monsey Ave., to M. Stipp & Son, 1015 North Main Ave., $27,021. Noted Nov. 30.

Maryland—State Rds. Comn., Baltimore, concrete surfacing 6,200 sq.yd. Contr. G-23, Garrett Co., to F. A. Denison Co., 206 10th St., N. W., Wash., D. C., $26,148; 9,050 sq. yd. Contr. M-44, Montgomery Co., to M. J. Grove Lime Co., Lime Kiln, $30,160; 12,300 sq.yd. Contr. Wo-30, Worcester Co., to Hannamann-Burroughs Co., Salisbury, $35,666; 7,100 sq.yd. concrete shoulders, Contr. 141A, Montgomery Co., to Corson & Gruman Co., 33rd and K Sts., Wash., D. C., $22,507; 10,250 sq.yd. concrete shoulders, Contr. 46-A, Baltimore Co., to A. C. Knight, 2200 Linden Ave., Baltimore, $30,175; Contr. W-27, Washington Co., 14,100 tons bituminous macadam surface course, 18,300 tons rein.-con. base, to Gosnell, Russell Co., Frederick, $189,666. Noted June 7.

N. C., Spencer—Hardsurfacing various streets, to R. G. Lassiter Constr. Co., Citizens Bank Bldg., Raleigh, $200,000.

S. C., Spartanburg — Spartanburg Co. Highway Comn., hard surfacing Federal Aid Project 202, to Southern Paving & Contg. Co., East 11th St., Chattanooga, Tenn., $62,962. Noted May 24.

Fla., Tampa—To W. L. Harwell, 721 South Orleans Ave., 15,765 sq.yd. 2½ in. asphalt block paving, 8,500 lin.ft. granite curbing, relaying 1,500 lin.ft. granite curbing, on Durham, Fremont and Westland Sts., $44,488. Noted June 7.

Ala., Birmingham—Jefferson Co. grading 11 mi. Porter Elbow Rd., 20 ft., to E. H. Self and M. Meyers, Birmingham, $28,220.

Ala., Geneva—Constructing 5 mi. cement sidewalks on Commerce, North Commerce, Church and Live Oak Sts., to J. R. Carter, Geneva, $74,700; grading and asphalt paving 1 mi. Commerce and Town Sts., to Southern Roads Co., Amer. Trust Bldg., Birmingham, $98,001.

Ohio—Dept. Highways and Pub. Wks., Columbus, to F. J. Mann & Sons, Ashland, grading, bridging and paving 1.679 mi. Sect. "A" Mansfield-Wooster Rd. $95,709, 0.536 mi. Sect. "Mifflin" Mansfield-Wooster Rd. $33,516, 3.731 mi. Sect. "B" Mansfield-Wooster Rd. $229,356, 0.344 mi. Sect. "Hayesville" Mansfield-Wooster Rd., $16,334, all foregoing brick, Ashland Co.; to Acton Bros., Vaughnsville, 2.778 mi. Sect. "A" Deshler-Findlay Rd., $83,069 and 0.436 mi. Sect. "E" Ottawa-Findlay Rd., $13,095, both rein.-con., Hancock Co.; to Curry & Hayes, Cadiz, 3.183 mi. Sect. "J" Bridgeport-Cadiz Rd., bituminous macadam, Harrison Co., $114,974; to Straw & Huber, Paulding, 2.623 mi. Sect. "A-2" Logan-McArthur Rd., Hocking Co., brick, $89,267; to G. B. Smith Co., Youngstown, 2.531 mi. Sect. "Z" Canfield-Poland Rd., Mahoning Co., bituminous macadam, tar, $55,613; to Modern Constr. Co., Fremont, 3.833 mi. Sect. "F" Fremont-Port Clinton Rd., $117,354, and 0.433 mi. Sect. "Port Clinton" Fremont-Port Clinton Rd., $26,904, both rein.-con., Ottawa Co., to J. Frantz, Sidney, 1.9 mi. Sect. "G" Piqua-St. Marys Rd., Shelby Co., rein.-con., $94,685; to Putnam & Shindeldecker, Van Wert, widening with concrete curb 5.446 mi. Sect. "K" and "L" Norwalk-Bellevue Rd., Huron Co., $49,766; to E. A. Freshwater Co., Painesville, 2 in. concrete curbing 7.715 mi. Sect. "J" and 5.433 mi. Sect. "Q" Cleveland-Buffalo Rd., Lake Co., $64,762 and $46,764 respectively; to A. Bates, Convoy, 2 bridges on Sect. "B" Van Wert-Fort Wayne Rd., Van Wert Co., $5,052. Noted June 7.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: **Holmes Co., Sect. "C-2" Navarre-Berlin Rd.**, 2.977 mi., plain concrete, to Griggs & Anderson Co., Millersburg, $67,490. **Holmes Co., Sect. "1-1" Mansfield-Millersburg Rd.**, 2.381 mi., plain concrete, to Allen Co. Paving Co., Lima, $47,674. **Jefferson Co., Sect. "L" Bridgeport-Cadiz Rd.**, 2.564 mi., Bituminous macadam, asphalt, to J. Stringer Co., Steubenville, $74,802. **Logan Co., Sect. "C-1" Bellefontaine-Marysville Rd.**, 0.297 mi., rein.-con., to Lewis & Copeland, Lima, $42,806. **Mahoning Co., Sect. "Z" Canfield-Poland Rd.**, 2.531 mi., bituminous macadam, tar, to G. B. Smith Co., Youngstown, $55,613. **Miami Co., Sect. "F" Dayton-Greenville Rd.**, 0.748 mi., rein.-con., to McArthur Constr. Co., Kenton, $23,296. **Lorain Co., Sects. "8" and "B" Oberlin-Elyria Rd.** constructing one bridge, repairing one bridge and building bridge approaches, to C. C. Bobinson Co., Columbus, $21,253. **Lorain Co., Sect. "T" Oberlin-Elyria Rd.**, constructing bridge, wearing surface to be of warrenite bitulithic, to C. C. Robinson Co., Columbus, $3,634. Noted May 17.

Streets and Roads (Continued)

O., Akron—Dept. Pub. Serv., paving and widening South Arlington St., standard brick, asphalt fill on 6 in., to McAlonan Bros., 197 West Buchtel Ave., $26,442; laying walks and paving Chitty Ave., sheet asphalt, brick gutter, asphalt fill, Mexican, on 6 in., to Columbus Asphalt Paving Co., 394 Buckeye Bldg., $11,703; grading and laying walks on Carpenter St., cinders, to Timmis & Gotschall, Akron, $6,065; repaving and widening West Market St., sheet asphalt, Trinidad, brick between tracks, and laying walks and paving Della Ave., sheet asphalt, brick gutter, asphalt fill, Texaco on 6 in., to T. E. McShaffrey Constr. Co., 171 Forge St., $37,780 and $70,759 respectively.

O., Cincinnati—Paving 6,681 ft. Liston Ave., 24 ft., to Henkel & Sullivan, 105 Bell Blk., $179,086. Engrs. est. $181,827.

O., Cleveland—Grading, curbing and paving 1,220 sq.yd. Gray Ave., brick on concrete, to River Constr. Co., 2402 Mapleside Rd., $5,743; resurfacing 8,400 sq.yd. East 82nd St., asphalt, to Bentley Bros., Union Bldg., $24,250.

O., Cleveland — Improving Union Ave., 8,700 lin.ft. stone curb, 9,700 lin.ft. 4 in. tile drain gutter, 9,080 cu.yd. earth excav. and 22,820 sq.yd. vitr. brick on concrete, to A. M. Pajsa Paving Co., Euclid Heights Blvd., Cleveland Heights, $145,970. Noted May 24.

O., Cleveland Heights (Warrensville P. O.)—Grading, curbing and asphalt paving 2 sections Lee Rd., to Bentley Bros., Union Bldg., Cleveland, $88,486. Noted May 31.

O., Massillon—Repaving 32,000 yd. Main St., to Elmer Vogt Paving Co., Massillon, $110,000. Noted May 17.

O., St. Clairsville—Belmont Co., paving 1¼ mi. Flushing-Holloway Rd., vitr. brick, to Miller & Wilson, Barnesville, $52,000.

Ind., Albion—Noble Co., concrete paving 75,696 sq.yd. Stacy Street Rd., to W. L. Johnson Constr. Co., 1205 North Bellview Pl., Indianapolis. $136,645. Engrs. est. $138,394. Noted May 31.

Ind., Indianapolis—Marion Co., concrete paving 78,643 sq.yd. Northwestern Ave., to McCoun Constr. Co., Noblesville, $196,643. Engrs. est. $204,672. Noted May 31.

Mich., Bay City—Bay Co. grading and concrete surfacing 1.884 mi. Beaver Rd., 9 ft., to Meagher & Schumann, Bay City, $27,930; 1.846 mi. Portsmouth Rd., 9 ft., to Geneva Constr. Co., North Bradley, $25,974.

Mich., Grand Rapids—Kent Co. grading and gravel surfacing 26,407 sq.yd. Assessment Dist. Rd. 43, to Vander Veen Constr. Co., 320 Briarwood Ave., $26,500. Noted May 17.

Mich., Marshall—Calhoun Co. grading and concrete surfacing 1.994 mi. Assessment Dist. Rd. 17, and 2.17 mi. Assessment Dist. Rd. 16, both 20 ft., to Vander Veen Constr. Co., 320 Briarwood Ave., Grand Rapids, $59,372 and $56,711 respectively. Noted May 10.

Ill., Edwardsville—Madison Co., concrete paving and building bridges and culverts on 23,384 ft. Marine-St. Jacob Rd., 17,438 cu.-yd. excav., 46,811 sq.yd. concrete base, 47,260 lb. reinforcing and 44,970 lb. structural steel, etc., to Stocker Gravel & Constr. Co., Highland, $131,700. Noted June 7.

Ill., St. Anne—Bd. Local Impvts., 33,000 sq.yd. rein.-con., paving, to H. C. Finley Constr. Co., Hoopeston, $106,098. Noted June 7.

Wis., Fond du Lac—Fond du Lac Co. Road and Bridge Com., gravel surfacing, etc., 6.24 mi. Waupun-Brandon Rd., to J. L. Burch, 2009 Madison St., Madison, $40,-533; 6.09 mi. Campbellsport-St. Killian Rd., to M. Fisch, Kilbourn, $56,063; 4.26 mi. rip rap, bridge, etc., on Fond du Lac-Oakfield-Waupun Rd., also 125 cu.yd. concrete, for Millpond Bridge, to Whitewater Bridge Co., Whitewater, $16,925 and $3,750 respectively.

Wis., Madison—See "Industrial Works."

Wis., Milwaukee—Milwaukee Co. concrete surfacing, etc., Howard Ave., to R. H. Gumz, 831 13th Ave., 5,000 cu.yd. earth excav. $1, 120 cu. yd. concrete in culverts $25, 14,000 sq.yd. concrete surfacing $2.56, total $43,840; widening Silver Spring Rd., in Village of Whitefish Bay to Clayton Constr. Co., 397 Farwell Ave., 900 cu.yd. excav. $0.90, 5,300 sq.yd. concrete surfacing $2.55, total $14,325. Noted May 31.

Ia., Council Bluffs—For 10,000 yd. asphaltic concrete paving, to E. A. Wickham, 19 Scott St., $40,000. Noted Mar. 29.

Ia., Hull—For 14,000 sq.yd. concrete paving, to M. L. Flynn Paving Co., 218 Grain Exch. Bldg., Sioux City, $2.12. Noted May 10.

Ia., Ireton—Concrete paving approximately 16,000 sq.yd. various streets, to A. W. Gardner, Ireton, $2.24 per sq.yd. Noted May 31.

Ia., Jefferson—Greene Co., grading 16.916 mi. Federal Aid Project 193, to Peterson, Shirley & Gunther, Woodmen of World Bldg., Omaha, Neb., 154,107 cu.yd. excav. $0.24, total $40,056.

Ia., Marshalltown—Gravel surfacing various streets, to A. Carlson, Marshalltown, $75,091. Noted May 10.

Ia., Sioux City—City, 15,000 yd. asphalt paving, to Western Asphalt Paving Corp., Sioux City, $3.23.

Ia., Sioux City—Woodbury Co., grading and incidental work on 16.21 mi. Sioux City-Correctionville Rd. between Moville and Correctionville, 247,000 cu.yd. excav., etc., to G. W. Condon Co., Farnam Bldg., Omaha, Neb., $0.213. Noted May 24.

Ia., Wapello—Vibrolithic paving, 23,573 sq.yd. various streets, to Union Constr. Co., Des Moines, $84,785. Noted May 17.

Minn., Breckinridge—Paving various streets, 21,500 sq.yd. rock concrete, to W. E. Kennedy, Fargo, N. D., $2.69 per sq.yd. Noted May 31.

Minn., St. Cloud—Paving 29,300 sq.yd. streets, 24 blocks bitulithic, to Lawrence & McCann, Eveleth, $91,150; 6 blocks, concrete, to Gruber Co., St. Cloud, $5,780.

Minn., St. Paul—Paving South Wabasha St. and Dodd Rd., Joint Project 23-51, 2,375 cu.yd. excav., 9,893 sq.yd. one course concrete, etc., to Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, $28,764; grading and paving Projects 23-02 and 23-55, 61,619 sq.yd. concrete paving, 48,000 cu.yd. excav., 147,129 cu.yd. overhaul, 21,650 lin. ft. 6 in. tile drain, etc., to Hanlon & Okes, 338 Lumber Exchange Bldg., Minneapolis, $176,638. Noted May 3 and 24.

Minn., St. Paul—Ramsey Co., to McCree & Co., 711 Merchants National Bank Bldg., County Project 23-52, White Bear Rd., 25,-475 cu.yd. excav., 36,135 cu.yd. overhaul, 62,465 sq.yd. paving, 1,377 lin.ft. culverts, $162,710; Co. Project 23-01, 48,248 sq.yd. paving, 19,014 cu.yd. excav., 31,543 cu.yd. overhaul, $125,769. Both one course concrete, A aggregate. Noted May 17.

Minn., Wabasha—Wabasha Co., grading, etc., 3.5 mi. Job 2301, State Rd. A, grading to Roach Bros., Pine Island, $22,985; monolithic culverts to A. Bechman Co., Lake City, $1,318; corrugated metal culverts to Austin Western Road Mchy. Co., 375 Cedar St., Minneapolis, $1,236.

Minn., Warren—Marshall Co., Grading 6.5 mi. Job 2302, Div. 1, State Aid Rd. A, and 7 mi. Job 2302, Div. 2, State Aid Rd. A, to Anderson & Solberg, Warren, $0.165 and $0.145 per cu.yd. respectively; 13 mi. Job 2304, State Aid Rd. J, to Shanks & Moen, Middle River, $0.165 per cu.yd. Total $26,000. Noted Apr. 12.

Kan., Kansas City—Wyandotte Co., paving 3.583 mi. Walcott Rd., 16 ft. 1 course concrete, to Davidson Constr. Co., 2958 East 30th St., Kansas City, Mo., $160,819. Noted Mar. 8.

Kan., Wichita—To H. T. Ritchey, 124 North Fountain St., asphaltic concrete paving, 4,178 sq.yd. East St., $2.54 per sq.yd., 4,178 sq.yd. sand fill $0.24, 2,349 sq.yd. excav. $0.86, 8,664 sq.yd. Marsh Ave, $2.54, 8,664 sq.yd. sand fill $0.24, 9,943 cu.yd. excav. $0.86, 2,043 sq.yd Exposition St. $2.54, 582 cu.yd. excav. $0.89, 2,194 sq.yd. Mathewson St. $2.54, 2,223 sq.yd. Athenian St. $2.54, 734 cu.yd. excav. $0.89, 3,143 sq.yd. University St. $2.78, 2,938 sq.yd. Circle Dr. $2.54, 2,938 sq.yd. sand fill $0.24, 979 cu.yd. excav. $0.89; to Cornelison & Kelly Paving Contrs., 405 Caldwell Murdock Bldg., concrete paving 1,739 sq.yd. St. Clair Ave., $1.85, 490 cu.yd. excav. $0.90.

Neb., Lincoln—State and Douglas Co., brick paving 4½ mi. Lincoln Highway and 4½ mi. Q St. Rd., to National Constr. Co., 310 Arthur Bldg., Omaha, $161,597 and $157,444 respectively.

Neb., Scribner—For 8,550 yd. brick and 12,850 yd. rein.-con. paving, to Reed Constr. Co., Omaha, $71,121.

North Dakota—State Hy. Comn., Bismarck, constructing 4.397 mi. earth road north and west of Velva, Federal Aid Project 164, McHenry Co., 30,010 cu.yd. earth and 1,300 cu.yd. rock excav., etc., to Stevens Bros., Minneapolis, Minn., $28,000; 5.008 mi. gravel road north of Carrington, Federal Aid Project 2 A, Foster Co., 12,000 cu.yd. earth excav., 6,859 cu.yd. gravel, etc., to W. H. Noel, Jamestown, $27,000; 14 mi. earth road from Van Hook to Stanley, Federal Aid Project 190, Mountrail Co., 119,939 cu.yd. earth and 5,160 cu.yd. rock excav., etc., to Hall & Booth, Stanley, $70,000.

N. D., Minot—R. W. Kennard, aud. Ward Co., constructing earth roads, 8.196 mi. Project 182 and 9.111 mi. Project 82, to Drunl & Kemper, Minot, $60,266; 18.441 mi. Project 181, to Schultz Bros., Bowbells, $79,563. Noted May 3.

Wyo., Cheyenne—City, 22,500 yd. asphalt paving, to A. H. Reed, Omaha, Neb., $56,433.

Wyo., Cheyenne—Grading, curbing and paving Capitol Ave. from 15th to 24th Sts., 20,600 sq.yd. asphalt on concrete, 5,000 lin.ft. concrete curb and 5,000 lin.ft. concrete gutter, to A. H. Reed & Co., Omaha, Neb., $53,750. Noted May 18.

Mo., St. Joseph—Brick paving various streets, to Land Constr. Co., Ballinger Bldg., $32,863.

Mo., St. Louis—Bd. Pub. Serv., City Hall, curbing and paving 3,740 sq.yd. Slevin Ave., brick, and 3,070 sq.yd. Gimblin Ave., concrete, to J. E. Perkinson, 3237 Carter Ave., $21,418 and $14,227, respectively; 3,630 sq.yd. Smiley Ave., rein.-con., to Webb-Kunze Constr. Co., 5927 Fyler Ave., $16,814; 3,295 sq.yd. Lansdowne Ave., bituminous macadam, to Eyerman Constr. Co., 1216 South Grand Ave., $16,473; 5,240 sq.yd. Pershing Ave., warrenite, to Granite Bituminous Paving Co., Ry. Exch. Bldg., $15,381; 9,405 sq.yd. Enright Ave., asphalt, to Trinidad Asphalt Mfg. Co., Title Guaranty Bldg., $16,257. Noted June 7.

Tex., Dallas—Dallas Co., Lancaster Wilmer Rd. Belt Line 3, macadam base only, to Hill, Wilson & Watson, North Texas Bldg., $25,190; 10,600-63,000 sq.yd. asphaltic concrete paving Scyene Rd., to Smith Bros., Amer. Exch. Natl. Bank Bldg., $1 per sq.yd. Noted May 17.

Tex., Dallas—North Texas Trust Co., Merc. Bank Bldg., for 22,000 sq.yd. bituminous paving, asphaltic concrete and concrete sidewalks, curb and gutter in Owenwood Addition, to Fuller Constr. Co., Southland Life Bldg., $120,000. Engrs. est. $115,000.

Tex., Nacogdoches — Paving various streets, 15,000 sq.yd. 7 in. concrete, to J. P. McDonald, 1208 West 6th St., Austin, $60,-000; 17,000 sq.yd. 3 in. vertical fibre brick on 5 in. concrete, to Panhandle Paving Co., Lubbock, $65,000.

Okla., Garber—Asphalt paving Dist. 1, to Western Paving Co., Tradesman Natl. Bank Bldg., Oklahoma City, $74,689. Noted May 24.

Arizona — State Hy. Comn., Phoenix, grading, paving with 2 in. asphaltic concrete on 4 in. bituminous, and building neecssary structures on 7.4631 mi. Solomonville-Geronimo Rd., Federal Aid Project 63, Maricopa Co., to El Paso Bitulithic Co., Piedras St., El Paso, Tex., $205,360.

Wash., Long Beach—For 302 sq.yd. gravel surfacing, 5,340 sq.yd. 6 in. concrete paving, 3,808 lin.ft. concrete curbing to Soliem & Gustafson, Astoria, $33,504.

Oregon—State Hy. Comn., Salem, rejected bids widening and grading 4 mi. Roosevelt Highway, Yamhill Co. Work will be done by force account.

Oregon—State Hy. Comn., Salem, 9.94 mi. grading and 10.43 mi. surfacing Prineville-Lake View Highway, Chewaca, Lake Co., 16 ft., to H. J. Heldeburn, Grants Pass, 41,000 cu.yd. excav., $0.29, 8,500 cu.yd crushed rock base course, $1.75, 8,500 cu. yd. crushed rock top course, $1.75, 1,000 cu. yd. crushed rock for maintenance, $1.75, etc., total, $54,355.

Calif., Burlingame—Improving San Mateo Dr. between Oak Grove and city limits, 148,-500 sq.ft. grading, 110,000 sq.ft. 1½ in. topeka on 5 in. concrete, 17,000 sq.ft. sidewalks, etc., to Pacific States Constr. Co., Call Bldg., San Francisco, $49,846. Noted Feb. 22.

Calif., Los Angeles—Grading and concrete paving 360,396 sq.ft. Compton Ave. between Vernon and south city limits, to Jahn & Bressi, Bryne Bldg., $79,003.

Calif., San Francisco—City and San Francisco Co., grading and asphaltic concrete surfacing intersection of Great Highway and Sloat Blvd., to L. J. Cohn, 180 Jessie St., $42,156. Noted June 7.

Calif., San Jose—Improving Salvador St. between 10th and 16th Sts., to R. H. Crummey, 5th and Keyes Sts., 60,025 sq.ft. 1½ in. warrenite bitulithic on 3 in. asphaltic concrete $0.25 (incl. grading), 3,030 sq.ft. concrete gutter $0.24, 2,431 lin.ft. concrete curb $0.70, etc.

Ontario—Dept. Pub. Highways, Toronto, concrete paving 2 mi. Talbot Rd., Elgin Co., to Brennan Constr. Co., Hamilton. Engrs. est. $150,000.

Ont., Birchcliff—Twp. of Scarboro, constructing 4½ mi. of 4½-6 ft. sidewalks on Ellward Blvd., Byng, Mansion, Kenworth, Leyton, Madeline and Robinson Aves., Contr. 1, Woodrow Blvd., Preston St. and Maxwell Ave., Contr. 2, to E. J. Elliott, 269 Main St., E., Toronto, concrete walks at $0.195, earth excav. $0.65, earth fill $0.80; Ballahula Blvd., Kingston Rd., Cornell, Queensbury, Haig and Lakeside Aves., Contr. 3, to W. B. Hughes, 53 Victoria Park Ave., Toronto, concrete walks $0.17, earth excav. $0.70, earth fill $1.25. Noted May 10.

Ont., Burlington — Concrete paving 5 streets, to MacArthur Paving Co., Guelph, $86,386.

Streets and Roads (Continued)

Ont., Chatham—Kent Co., concrete paving 2 mi. highways, 16 and 18 ft., to McCoy & Shaw, Wallaceburg, $2 per sq.yd. Engrs. est. $120,000.

Ont., Ottawa — Ottawa Suburban Rd. Comn., 26 Wellington St., asphaltic concrete paving 4.5 mi. Metcalfe and Bowesville Rds., 20 ft., to Standard Paving Co., Central Chambers. Engrs. est. $50,000. Noted Feb. 15.

B. C., Windermere — Regrading and graveling 12 mi. Columbia River Rd., 16 ft., to B. D. Griffin & Co., 739 Hastings St. W., Vancouver, $48,000. Engrs. est. $50,000.

Industrial Works

PROPOSED WORK

Conn., Plainville—Standard Steel & Ball Bearings, Inc., Woodford Ave., plans 2 story 50 x 200 ft. and 2 story, 60 x 150 ft. factory, both brick, plain foundations, $75,000 and $60,000 respectively. Private plans.

N. Y., Albany—P. McNamee, 90 State St., plans 2 story, brick, concrete and steel garage, storage building and service station, 89-95 Central Ave. $125,000-$135,000.

N. Y., Buffalo—Buffalo General Electric Co., Electric Bldg., plans 2 story, 120 x 200 ft., steel and concrete garage, 990 Niagara St. $100,000.

N. Y., Elmira—J. R. and M. L. Melvin, 709 East Water St., plan brick, concrete and steel garage and machine shop addition, High and Water Sts. $30,000-$40,000.

N. Y., Elmira — Standard Oil Co., 26 Bway., New York City, plans garage, machine shop and service station at intersection of Lake, 5th and William Sts., here. $50,000. Address A. E. Carr, 1001 Stowell St., Elmira, mgr.

N. Y., Mineville—Witherbee Sherman Co. plans repairs to power house at Cookshaft, recently damaged by fire. $75,000-$100,000.

N. Y., Norwood—See "Miscellaneous."

N. Y., Utica—See "Buildings."

N. Y., Utica—Utica Baking Co., 610 Jay St., plans 2 story, 100 x 120 ft. bakery, brick, concrete and steel, Elizabeth St. $40,000-$50,000.

Pa., Phila.—J. S. Ivins Sons, Inc., 625 North Broad St., had plans prepared by W. E. S. Dyer, Land Title Bldg., and soon takes bids 5 story bakery with detached power plant, fireproof, 4811 Germantown Ave. $600,000.

Pa., Washington—Beaver Refining Co. plans to rebuild oil refinery recently destroyed by fire. $500,000. Engineer and architect not announced.

Md., Baltimore—Baltimore & Ohio R.R., Charles and Baltimore Sts., having plans prepared by M. L. Kimball, company engr., 3 story pattern shop and office, brick and steel, Mt. Clare. $75,000.

W. Va., Keyser—Keyser Worsted Mills Co., having plans prepared by T. W. Biddle, Jr., MacFarland Bldg., Cumberland, Md., 1 story and basement, 65 x 120 ft. woolen mill addition. $40,000.

N. C., Sanford—Virginia & Carolina Mining Co., Winston-Salem, plans power house and pumping unit to be connected with mining works, here. $100,000.

N. C., Waynesville—Pigeon River Power Co. plans hydroelectric generating plant on Pigeon River. $250,000. Engineer not selected.

Fla., Tampa—Chemical Constr. Co., Trust Bldg., Charlotte, N. C., plans phosphate plant, on Hillsborough River, near here. $1,500,000. C. C. Nott, pres. of board.

Miss., Greenwood—Standard Handle Co., Division St., Macon, Ga., plans plant, here. $50,000. Engineer and architect not announced.

La., New Orleans—Cloverland Dairy Co., Carrolton Ave. and Olive St., had plans prepared by Favret & Livaudais, Hibernia Bank Bldg., 3 story building with power house, etc., rein.-con. $300,000. Address G. J. Glover, Whitney Bank Bldg.

Tenn., Athens—Tennessee Electric Power Co., Hamilton Natl. Bank Bldg., Chattanooga, plans to construct and operate electric power plant, here.

Kentucky—Dark Tobacco Growers Assn., Tompkinsville, plans 10 or more tobacco warehouses in various towns, first one to be built soon at Tompkinsville. $25,000 each. J. G. Cook, Tompkinsville, dir.

Ky., Louisville—Gulf Refining Co., 7th St. Rd., plans 2 story, 60 x 135 ft. brick warehouse, 7th and Mix Sts. $40,000.

Ky., Louisville — St. Joseph's Infirmary, 4th St., having plans prepared by D. X. Murphy & Bro., Louisville Trust Bldg., laundry building in connection with infirmary, Eastern Parkway. $60,000.

Ky., Paducah — Tymo Utility Co. plans new plant. $40,000. Engineer and architect not selected.

Ind., Evansville — Jenkins Packing Co. having plans prepared by H. E. Boyle, Furniture Bldg., 2 story and basement, 90 x 140 ft., rein.-con. and brick plant. $40,000.

Ind., Peru—Hotel—Peru Hotel Corp. plans plans 4 story and basement, 66 x 132 ft., rein.-con., steel and brick. $200,000.

Ind., St. Paul—St. Paul Tire & Rubber Co., plans 1 story, brick and steel factory. $200,000. Engineer and architect not selected.

Ind., Washington—Leonard Range Co., Roosevelt and Columbia Aves., plans 2 story and basement, rein.-con. and brick factory. $100,000. Private plans.

O., East Pelestone—City retained H. O. Swoboda, Inc., consult. electrical and mechanical engrs., Empire Bldg., Pittsburgh, Pa., to prepare plans for additional unit to municipal plant.

O., Ravenna — A. C. Williams Co. will build new molding room, 2nd cupola, cleaning and sand storage rooms, new industrial tracks to handle raw material.

Mich., Detroit—Detroit Lubricator Co., 5938 Trumbull Ave., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 4 story, 120 x 140 ft., brick, steel and rein.-con. factory addition, plain foundation, Trumbull Ave.

Ill., Alton—Standard Tilton Milling Co., Pierce Bldg., St. Louis, Mo., having plans prepared by R. C. Stone Eng. Co., archts and engrs., Merchants Exch., St. Louis, Mo., 5 story, 75 x 110 ft. mill and warehouse, rein.-con., Bway., here, $200,000.

Ill., Princeton—Southern Ry., 1300 Pennsylvania Ave., Wash., D. C., plans planing mill, here. To exceed $40,000. A. A. Woods, Ingalls Bldg., Cincinnati, O., ch. engr. maintenance of way and structures.

Wis., Antigo — Kelley Auto Sales Co. plans 2 story, garage and repair shop, brick, rein.-con. and steel, plain foundation, Edison St. $40,000. Engineer and architect not selected.

Wis., Benton — Kistler-Stephens Co., Platteville, having plans prepared by C. Lawyer, engr., Benton, 2 story, 60 x 95 ft., brick, rein.-con. and steel, mill, plain foundation, here. $50,000.

Wis., Green Bay—See "Buildings."

Wis., Madison—Madison Auditorium Co., 119 East Washington Ave., having plans prepared by Balch & Lippert, Gay Bldg., 1 story, 50 x 90 ft. heating plant, rein.-con., steel and brick, plain foundation, Main St. $100,000.

Wis., Madison — Madison Ford Garage, 210 East Washington Ave., having plans prepared by Small & Flad, Ellsworth Bldg., 1 story, 60 x 87 ft., brick, rein.-con. and steel garage, plain foundation. $40,000.

Wis., Manitowoc—Manitowoc Portland Cement Co., c/o L. E. Geer, 16th and River Sts., making plans 1 story, 75 x 500 ft., brick and rein.-con., mill, plain foundation, incl. kiln to manufacture 3,000 bbl. cement daily, South 26th St. $1,000,000. Private plans.

Wis., Milwaukee — H. T. Schramek, archt., 608 Majestic Bldg., preparing plans 1 story, 110 x 125 ft., brick and concrete addition to garage, plain foundation. $50,000. Owner's name withheld.

Ia., Denison—Armour Creameries, c/o J. W. Handford, Denison, having plans prepared 2 story and basement, creamery, brick and title, $75,000. Private plans.

Mo., Cameron—June 22 to vote on $85,000 bonds electric light plant and transmission lines, etc. E. E. Harper, 3031 Park Ave., Kansas City, engr.

Mo., St. Louis—Endicott-Johnson Corp., 105 Clinton St., Binghamton, N. Y., plans 3 story and basement, 150 x 150 ft., rein.-con. and brick warehouse, plain foundation, 12th St., here. $175,000. Private plans.

Ark., Camden—Morris Oil Co. plans oil refinery, 3,000 bbl., daily capacity. $250,000. Engineer and architect not announced.

Tex., Ranger—Paltic Gas Co., c/o E. D. Finney, Ranger, takes bids latter part of month, casing head gasoline plant. $100,000. Private plans.

Okla., Antlers — Oklahoma Powder Co., Oklahoma City, plans hydro electric plant, on Kiamichi River, near here. $500,000. Engineer not selected.

Okla., Sayre—See "Sewers."

Calif., Hayward—Hayward Farm Products Sales Co., C and Castro Sts., plans packing plant and warehouse, B St. To exceed $40,000.

Calif., Lodi—Gloria Ice Cream Co., Oak and Aurora Sts. Stockton, plans 55 x 220 ft. warehouse and refrigerating plant, Lockeford St., here. To exceed $50,000.

Calif., Los Angeles—See "Miscellaneous."

Calif., Los Angeles—I. Nussbaum, 942 West 58th St., having plans prepared by W. F. Bowen, Union League Bldg., 5 story and basement, rein.-con. warehouse, Vermont Ave. To exceed $200,000.

Calif., Los Angeles—Pacific Coast Biscuit Co., 652 Imperial St., had plans prepared by J. F. Rhodes, 414 Central Bldg., 4 story and basement, 120 x 134 ft. factory, Imperial St. near 6th St. $130,000. Noted June 7.

Calif., Oakland—California Transit Co., et al., 55 5th St., San Francisco, plans motor truck bus factory, here. $500,000. Engineer and architect not selected.

Calif., Oakland—Montgomery-Ward Co., c/o W. Q. Bateman, Pacific coast mgr., 27th and Vaughn Sts., Portland, Ore., having plans prepared by A. McAuley, Chicago, rein.-con. warehouse, 29th Ave. and East 14th St., here. $200,000.

Calif., San Francisco — Merganthaler Linotype Co., 638 Sacramento St., had plans prepared by A. A. Cantin, 68 Post St., 3 story and basement, 22½ x 1,120 ft., rein.-con. warehouse addition. $75,000.

Calif., San Francisco — National Ice Cream Co., 666 Guerrero St., had plans prepared 1 story, concrete, service building, Guerrero and 16th Sts. $70,000. A. J. Mazureth, 366 Guerrero St., engr.

Calif., San Francisco—Pacific Gas & Electric Co., 445 Sutter St., had plans prepared pump house, incl. 48 in. diam. rein.-con. conduit, 275 ft. long, concrete intake on one end and pump house on other, two 18 in. pumps, 7,000 gal. per min. capacity, will be installed, miscellaneous discharge pipe and 2 story, rein.-con. pump house. $110,000. Private plans.

Calif., San Francisco — H. Shermund, archt., Hearst Bldg., prepared plans 5 story, 100 x 120 ft., warehouse, rein.-con. and mill construction, vicinity Vermont and 18th Sts. $100,000. Owner's name withheld.

Ont., Collingwood—R. Dodds, Dodds Iron Wks., plans plant for manufacture of flour mill equipment. $50,000.

Ont., Cooksville—Harper & Sons, 152 Franklin St., Toronto, plans wood working, sash and door mill, here.

Ont., Ford City—Ford Motor Co. of Canada had plans prepared by A. Kahn, 1000 Marquette Bldg., Detroit, Mich., 2 story, 112 x 148 ft., power house, rein.-con., brick and steel also 27 x 31 ft. rein.-con. screen house, Sandwich St.

Ont., Hamilton—Canadian Westinghouse Co., Traders Bank Bldg., Toronto, having plans prepared by B. H. Frack, 50 Bay St., Toronto, 2 or 3 story, addition to factory, rein.-con., brick and steel, here. $1,250,000.

Ont., Kenora—Backus Brooks Co., International Falls, Minn., plans paper mill, 100 tons daily capacity, here. $150,000. J. T. McLellan, c/o owner, engr.

Ont., Kingsville—J. Ross & Co., Owensborough, Ky., plans 100 x 300 ft. tobacco drying and processing plant, here. $75,000.

Ont., Kitchener—Arch-Scheider Packing Co., 145 Queen St., plans 2 and 3 story and basement, brick and steel plant addition, plain foundation. $150,000. Engineer and architect not selected.

Ont., Niagara Falls—Canadian Niagara Power Co., plans transformer station, concrete, plain foundation. $150,000. Private plans.

Ont., Oakville—Oakville Basket Co. plans to rebuild factory, destroyed by fire, 2 or 3 story, brick and wood. $150,000. Engineer and architect not selected.

Ont., Weston—Toronto Free Hospital for Consumptives soon lets contract central heating plant incl. boiler house, brick and concrete, chimney, brick or concrete, concrete pipe conduits, etc. $100,000. M. F. Thomas, 229 College St., Toronto, engr.

B. C., Ruskin—British Columbia Electric Ry., 425 Carroll St., Vancouver, had plans prepared 10,000 kw., 3 phase light and power plant, at Stave Lake, $750,000. Also having preliminary surveys made dam and power plant, 80,000-100,000 kw., on Stave River, 2 mi. north of here, $6,000,000-$8,000,000. R. S. Kelsch, 702 Power Bldg., Montreal, consult. engr.

BIDS DESIRED

Mass., Boston—June 21, by Dept. Pub. Wks., 2 story, 53 x 220 ft. garage with 31 x 65 ft. ell, rein.-con., wood pile foundation, Albany St. $150,000. Mulhall & Holmes, 248 Boylston St., archts. Noted June 7.

O., Cleveland—W. S. Lougee, archt., Marshall Bldg., taking bids and onens same about June 20, 2 story and basement, 75 x

Industrial Works (Continued)

100 ft. auto sales and 2 story and basement, 80 x 110 ft. garage, brick, steel and concrete, 6604 Euclid Ave., for J. J. Klein and G. B. Harris, Engineers Bldg. $150,000. Noted Apr. 12.

Mich., Detroit—H. Kohn and F. Richardson, c/o H. Farwell, archt., 35 Ford Ave., Highland Park, taking bids 3 story, 40 x 125 ft., garage and service station, rein.-con. and brick, plain foundation, Hamilton Ave. $50,000. W. H. Adams, 431 Griswod St., engr.

Ill., Chicago — Minchin, Spitz & Co., archts., 19 West Jackson Blvd., receiving bids 1 story, 50 x 125 ft. garage, fireproof, Division St. near Spaulding Ave., for J. Greenburg, c/o architect. $40,000.

Ill., Chicago—Leichenko & Esser, archts., 38 South Dearborn St., receiving bids 2 story, 25 x 100 ft. auto sales and service station, fireproof, 6618 Cottage Grove Ave., for I. W. Lederer, c/o architect.

Wis., Milwaukee—C. Barkhausen, archt., 79 Wisconsin St., taking bids 1 story, 42 x 104 ft. and 50 x 52 ft. bakery additions, brick and concrete, plain foundation, 7th St., for M. Carpenter Banking Co., 102 7th St. Noted June 7.

Okla., Okmulgee—Smith & Senter, archts., 401 Commerce Bldg., receiving bids 3 story and basement, 75 x 118 ft. garage, rein.-con., brick and stone, for X. R. Gill Co. $125,000. Noted May 3.

Calif., San Francisco — O'Brien Bros., Inc., archts., 315 Montgomery St., receiving bids 1 story and basement, (ultimately 4 story), garage, rein.-con., Eddy St. near Hyde St., for L. W. Allen, c/o architects.

Calif., San Rafael—Engineering Dept. of Pacific Gas and Electric Co., 445 Sutter St., San Francisco, receiving bids rein.-con. garage, and timber meter shop, paint shop, warehouse, etc. To exceed $40,000. Noted May 17.

CONTRACTS AWARDED

Mass., Cambridge (Boston, P. O.)—C. Baratta, 263 Atlantic Ave., Boston, 1 story, 50 x 115 ft. garage, brick, wood pile foundation, Carlton St., here, to J. J. Bowes, 27 School St., Boston, $60,000.

Mass., Monson — Rubwood Wheel Inc., c/o H. N. Atwood, 2 story, 50 x 80 ft. factory, concrete and stone, plain foundation, to Cummings Constr. Co., Ware, $60,000.

Mass., North Andover (Lawrence P. O.) —M. T. Stevens & Sons Co., power plant, 1,700 hp., at Stevens Mill, will be connected to mill by concrete tunnel, to M. C. Tuttle Co., 22 Chestnut Terrace, Boston.

Conn., Meriden—I. Limon, 127 South Colony St., 3 story, 70 x 130 ft. storehouse and garage, brick and steel, plain foundation, 13 Cherry St., to F. A. Lanouette, 24 Lanouette St. Archts. est. $100,000. Noted Apr. 26.

Conn., Meriden — Wolf New Process Abrasive Wheel Inc., 711 Hanover St., 1 story, 60 x 180 ft. factory, brick and steel, plain foundation, Hanover St., to L. A. Miller, 22 Church St. Archts. est. $80,000.

Conn., Watertown—Watertown Mfg. Co., Watertown St., 1 story, 70 x 120 ft. factory, brick and steel, plain foundation, to H. Wales Lines Co., 134 State St., Meriden. Archts. est. $45,000.

N. Y., Watertown—City, hydraulic electric plant, to T. F. Breslin Co., Woolworth Bldg., $314,316. Noted May 10.

Pa., Erie—Continental Rubber Wks., 19th and Liberty Sts., general contract 3 story and basement, 75 x 104 ft. rein.-con. and brick, factory addition, to H. Shenk Co., 12th and Sassafras Sts. Archts. est. $75,000. Noted June 7.

Pa., Pitcairn—Pennsylvania R.R., Central Region, Broad St. Sta., Phila., 1 story and pit, 42 x 90 ft., boiler, machine and transformer shop, here, to W. Sutherland Constr. Co., Compton Bldg., St. Louis, Mo.

Pa., Pittsburgh—T. Donaldson, 837 West North Ave., 1 and 6 story and basement, 50 x 120 ft. and 60 x 140 ft. warehouse, Western Ave., to D. T. Riffle, 1006 Forbes St. Archts. est. $150,000.

Fla., Miami—L. D. Shackleford Motor Co., 3 story, 103 x 178 ft., rein.-con. and steel garage, 38th St. and Dixie Highway, to Watson Corp., 12th and Court Sts., $120,000.

La., New Orleans—New Orleans Pub. Serv. Inc., to Phoenix Utility Co., Tchoupitoulas and Nuns Sts., and 71 Bway., New York City, 63 x 151 ft. substation, rein.-con., brick faced, Polymia and Baronne Sts., $300,000; remodeling and extending boiler house, Market and South Peters Sts., $100,000, also 2 oil storage tanks on Market and South Peters Sts., and 1 on Magazine and Poydras Sts., $50,000 each.

Tenn., Jackson—See "Railways."

Ky., Louisville—Louisville Gas & Electric Co., 317 West Chestnut St., constructing gas plant; 1,000,000 cu.ft. gas holder to Stacey Mfg. Co., Elmwood St., Cincinnati, O.; dry purifiers to Western Gas Constr. Co., 1429 Buchanan St., Ft. Wayne, Ind.; liquid purification system to Coppers Co.; compressors to Ingersoll-Rand Co., 11 Bway., New York City; exhausters to P. H. and F. M. Rootes Co.; water gas machinery to United Gas Impvt. Co., Broad and Arch Sts., Phila., Pa. Noted May 10.

Ky., Louisville—Public Garage, 4th St., 1 story, 150 x 150 ft. top addition, brick, 4th St., to General Constr. Co., 229 5th St. Est. cost $50,000.

O., Cincinnati—See "Buildings."

O., Cleveland—See "Buildings."

O., Cleveland—K. V. Painter, 6521 Euclid Ave., 1 and 2 story, 50 x 140 ft., brick, steel and concrete garage and show rooms, East 66th St. north of Euclid Ave., to H. K. Ferguson Co., 6523 Euclid Ave. Archts. est. $50,000.

Ind., Huntington—Orton-Steinbreuner Co., 1 story, 100 x 240 ft. machine shop, brick and steel, to H. W. Elser, Huntington. Archts. est. $80,000.

Mich., Detroit — Hall — Dodds Co., 2526 Grand River Ave., general contract for garage, service station and sales room, Grand River and Brooklyn Aves., to Everett Winters Co., 751-754 Book Bldg., $125,000.

Mich., Detroit—C. M. Hall Lamp Co., 1035 East Hancock Ave., structural steel framework for 1 story, 80 x 172 ft., addition to factory, brick, steel and rein.-con., plain foundation, to Russell Wheel & Fdry. Co., Chene St., archts. est. $50,000; masonry work for above to E. Chase, Penobscot Bldg. archts. est. $75,000. Noted May 17.

Mich., Detroit—Paige Detroit Motor Co., Fort St. and McKinstry Ave., 1 story, 280 x 988 ft. auto assembly plant, brick, concrete and steel, Warren Ave., to W. E. Wood Co., 1805 Ford Bldg.

Mich., River Rouge—Mulkey Salt Co., Dix Ave. and River Rouge St., 2 story, brick, steel and rein.-con. plant addition, plain foundation, to C. Keller Co., 4628 Moran St., Detroit, $40,000.

Ill., Chicago—A. I. Epstein, 712 West Madison St., 1 story fireproof garage, 18-24 Sangamon St., to Neslo-Wagstad-Carlson Co., 1743 North Crawford Ave. Archts. est. $60,000.

Ill., Chicago—A. D. Schuller, 4634 North Kedzie Ave., 1 story, 125 x 200 ft., fireproof auto sales building and garage, 3016-32 Lawrence Ave., to F. Watzke, 500 North Kildare St. Archts. est. $60,000. Noted June 7.

Wis., Madison—Chicago & Northwestern R.R., 226 West Jackson St., Chicago, round house, here, to G. W. Gimble Co., Chicago; grading and track work to Duffy & Jutton, Milwaukee. Engrs. est. $300,000.

Wis., Manitowoc—Invincible Metal Furnace Co., 26th and Franklin Sts., 1 story, 85 x 185 ft., rein.-con., brick and steel, factory, plain foundation, to Schuette Constr. Co., South 8th St. Archts. est. $40,000.

Wis., Shiocton—Big Wolf Kraut Co., c/o G. H. Lonkey, will build 1 story, 70 x 250 ft., brick and timber factory, plain foundation, by day labor. $45,000. Private plans.

Wis., South Milwaukee—Mid Western Shoe Mfg. Co., c/o S. Doerman, 1612 Lake Ave., 3 story, 54 x 130 ft., brick and timber factory, plain foundation, Michigan Ave., to W. F. Tubesing Co., 139 West Chestnut St., Wauwatosa. Archts. est. $50,000.

Ia., Centerville—G. Morris, general contract 1 story and basement, 40 x 60 ft. garage, to J. M. and J. J. Leeper, Centerville. Archts. est. $75,000.

Mo., Kansas City—United Motor Service Co., 1416 McGee St., general contract 1 story and basement, 100 x 100 ft., salesroom and garage, to G. F. Green, 424 Rialto Bldg., $50,000.

Mo., St. Louis—Great Western Smelting & Refining Co., 3100 North Bway., general contract 1 and 2 story, 100 x 400 ft., brick, concrete and steel foundry, plain foundation, Bway., to C. B. McCormack & Son, Columbia Bldg.; steel work, to Mississippi Valley Structural Steel Co., 811 Park St. Archts. est. $150,000. Noted May 31.

Mo., St. Louis—Keller Sign Co., 900 North Bway., general contract 2 story, 50 x 120 ft., brick and concrete factory and office building, plain foundation, Washington St., to A. Winkel, 816 North Leffingwell St. Archts. est. $40,000.

Mo., St. Louis—Westerback Realty Co., 128 Madison St., 3 story, 263 x 346 ft., rein.-con. and brick factory, plain foundation, Natural Bridge Rd., to Widmer Eng. Co., Laclede Gas Bldg. Archts. est. $250,000. Columbia Can Co., lessee.

Calif., San Diego—Motor Transit Co., 869 1st St., will build 1 story, 100 x 200 ft., auto stage depot, brick, 2nd and E Sts. by day labor. To exceed $75,000.

Calif., San Francisco—J. Allec, 2140 Folsom St., 1 story and mezzanine, rein.-con. shop, Folsom and 17th Sts., to Cahill Bros., 110 Sutter St., $70,000. E. R. Bacon Co., 51 Minna St., lessee. Noted May 31.

Calif., San Francisco—Crystal Laundry Co., c/o A. G. Headman, archt., New Call Bldg., 2 story, rein.-con. laundry, 13th and Folsom Sts., to R. McLeran Co., Hearst Bldg., $50,000.

Calif., San Francisco—Hollingshead Co., 1 story, rein.-con. warehouse and factory, 17th and Connecticut Sts., to G. Wagner, 251 Kearney St., $60,000.

Calif., San Francisco—Standard Oil Co., Standard Oil Bldg., several rein.-con. buildings, tanks, etc., for oil distributing plant, on block bounded by Beach, Jefferson, Jones and Leavenworth Sts., to R. McLeran Co., Hearst Bldg. Engrs. est. $500,000.

Ont., Niagara Falls—Canadian Niagara Power Co., will build 26 x 150 ft. transformer station, brick, concrete and steel, by day labor. $150,000.

Ont., Sault Ste Marie—Great Northern Gas Co., Ltd., will build gas plant and mains, by day labor. R. G. Finnegan, supt.

Ont., Toronto—City Dairy Co., Ltd., Spadina Crescent, general contract 4 story, 80 x 100 ft., rein.-con. and brick garage, Bancroft St. to Sullivan & Fried, 81 Victoria St. Engrs. est. $160,000.

Ont., Toroto — Toronto Transportation Comn., 35 Yonge St., 1 story, 135 x 285 ft. car barns and repair shops, rein.-con., steel and brick, 2 story, 42 x 118 ft. office, brick and steel, Roncesvalles and Queen Sts., general contract to Sullivan & Fried, 81 Victoria St., $300,000.

Buildings

PROPOSED WORK

Me., Hebron — Gymnasium — Hebron Academy takes bids about July 15, 2 story, 60 x 100 ft., rein.-con. and brick, plain foundation, $150,000. F. O. Stanley, Waverly Ave., Newton, Mass., pres. Bd. Trustees. J. C. Stevens & Sons, Portland, archts.

N. H., Berlin—High School—School Com. had plans prepared by T. M. James Co., 3 Park St., Boston, and takes bids in summer. 3 story, about 125 x 150 ft., rein.con. and brick, wood pile foundation. $200,000-$300,000.

Mass., Boston—Apartment—Goggin & Ripley, 350 Madison Ave., New York City, had plans prepared by Parker, Thomas & Rice, 177 State St., 7 story, 50 x 90 ft., brick and steel, wood pile foundation, 301 Berkely St. $750,000.

Mass., Chicopee — Dormitory — Roman Catholic Bishop, Elliot St., Springfield, had plans prepared by J. W. Donohue, 476 Main St., Springfield, 2 story, 80 x 130 ft., brick and steel, Springfield St., here. $150,000.

Mass., Medford—City Hall—Voted $250,000 for City Hall. R. B. Coolidge, mayor. Engineer and architect not selected.

Mass., Middleboro—High School—Town had plans prepared by E. I. Wilson, 109 State St., Boston, and soon takes bids 3 story, 100 x 150 ft., rein.con. and brick, wood pile foundation. $225,000. Noted Feb. 8.

Mass., Worcester—School—City plans 2 story, Hamilton St. $150,000. Engineer and architect not selected.

Conn., Manchester—Business—J. Guinipero plans 3 story, 60 x 160 ft., brick, plain foundation, Main St. $150,000. Engineer and architect not selected.

N. Y., Binghamton—Church—High St. Methodist Episcopal Society, plans brick, stone, concrete and steel, Vestal Ave. and High St. $150,000. F. D. Cornell, chn. building com.

N. Y., Binghamton—School—Bd. Educ. plans 20 room school, Broad Ave. and Robinson St. $400,000. Engineer and architect not selected.

N. Y., Binghamton — School — Common Council and Bd. Educ. plan new 40 room school, Sherman Pl. $400,000. W. E. Weller, city engr. Architect not selected.

N. Y., Brooklyn — High School — Bd. Educ., 500 Park Ave., New York, soon takes bids 5 story, 65 x 215 ft., brick, steel and stone, plain foundation, Union and President Sts. here. $2,000,000. W. H. Gompert, Flatbush Ave. extension and Concord St., archt. and engr.

N. Y., Brooklyn—Theatre—Fourth Ave. and Dean St. Corp., c/o E. De Rosa, archt. and engr., 110 West 40th St., New York, soon takes bids 2 story, 60 x 100 ft., brick, steel and stone, plain foundation, 4th Ave. and Dean St. $200,000.

Buildings (Continued)

N. Y., Buffalo—Bank and Office—Liberty Bank soon takes bids 15 story, brick, steel and stone, plain foundation, Main St. A. C. Bossom, 680 5th Ave., New York City, archt. and engr.

N. Y., Buffalo—Hotel—Selden Mfg. Co., 45 Selden St., Detroit, Mich., had plans prepared by Lewis & Hill, 892 Main St., 4 story, stone, brick, concrete and steel, West Utica St., here. $250,000.

N. Y., Gouverneur—Office and Theatre—W. Gauthier had plans prepared by C. M. Curtis, 301 Tallman St., Syracuse, and soon takes bids 3 story, brick, concrete and steel. $150,000. Noted May 10.

N. Y., Ilion — Clubhouse — Ilion Lodge 1444 B. P. O. E. plans 3 story and basement, 60 x 100 ft., concrete, steel, tapestry, brick and limestone, West St. $150,000.

N. Y., Lockport—Home and Hospital—Niagara Co. had plans prepared by R. Kidd, Buffalo, brick, rein.-con. and steel. $1,600,000.

N. Y., Mt. Vernon—Bank and Office—Eastchester Savings Bank soon takes bids 6 story, brick, steel and stone, plain foundation. $500,000. Holmes & Winslow, 134 East 44th St., New York City, archts. and engrs. Noted Mar. 1.

N. Y., New York—Bank and Office—Harriman Natl. Bank, 44th St. and 5th Ave., plans 15 story, brick, steel and stone, plain foundation. Engineer and architect not selected.

N. Y., New York—Office—Kaufman Dress Co., c/o C. H. Meyers, archt. and engr., 31 Union Sq., soon takes bids 17 story, 90 x 100 ft., brick, steel and stone, plain foundation, West 35th St. $850,000.

N. Y., Riverhead—Bank—Riverhead Savings Bank having sketches made by Holmes & Winslow, archts. and engrs., 134 East 44th St., New York, 1 story, 50 x 100 ft., brick, steel and stone, plain foundation. $250,000. Noted Jan. 11.

N. Y., Rochester—Mercantile — Sibley, Lindsay & Curr Co., 250 Main St. E., soon take bids 6 story, 24 x 235 ft., brick and steel addition. $500,000. T. B. Ryder, pres.

N. Y., Utica—Office, etc.—Utica Gas & Electric Co., 222 Genesee St., plans 6 story, brick, concrete and steel office and testing building, Lafayette and Cornelia Sts. $175,000-$200,000.

N. J., Jersey City—Bank—Greenville Bank & Trust Co., Ocean Ave., soon takes bids 1 story and mezzanine, 55 x 105 ft., brick and stone, plain foundation, Ocean and Lemback Aves. $200,000. A. C. Bossom, 680 5th Ave., New York City, archt. and engr. Noted May 10.

N. J., Jersey City—Church—St. Marys Roman Catholic Church, 246 2nd St., soon takes bids brick and stone top addition, 3rd and Erie Sts. $200,000. R. J. Reiley, 477 5th Ave., New York City, archt. Noted May 3.

N. J., Hightstown — High School — Bd. Educ. rejected bids 2 story, brick, steel and stone, plain foundation. $150,000. Will readvertise. Guilbert & Bettelle, 2 Lombardy St., Newark, archts. and engrs. Noted June 7.

N. J., Trenton — Office — State Building Comn. plans large office building adjoining Capitol, West State St. Address N. A. K. Bugbee, c/o State House Comn. Engineer and architect not selected.

Pa., Altoona — Synagogue — Agudath Achim Congregation, 1306 17th St., having plans prepared by Shor & Friedman, archts., Pittsburgh, 2 story and basement, 44 x 85 ft., rein.-con., brick and steel, 17th St. $150,000. S. Strauss, rabbi. Noted Jan. 11.

Pa., Johnstown — Hospital — Directors Conemaugh Valley Memorial Hospital, take bids about June 19, 4 story and basement, 60 x 130 ft., rein.-con., brick and steel, Franklin St. F. Krebs, pres. W. R. Myton, 1204 1st Natl. Bank Bldg., archt.

D. C., Wash.—Apartment—Washington Automobile Apartment Corp., c/o J. M. House, pres., Washington Mortage & Finance Co., International Bldg., plans apartment, New York Ave. between 13th and 14th Sts., N. W., $1,000,000. Engineer or architect not selected.

Fla., Bradentown—Hotel—I. T. Roberts and associates, Birmingham, Ala., having plans prepared by M. L. Elliott, Citizens Bank Bldg., Tampa, 6 and 8 story hotel, Manatee River east of Manatee. $2,000,000.

Fla., Miami—Bank and Office—Bank of Bay Biscayne, 12th St. and Ave. D, having plans prepared by Weary & Alford, 1923 Calumet Ave., Chicago, and G. L. Pfeiffer, Miami, 5 story (ultimately 12 story), stone and steel, West Flagler St. and North Miami Ave. $220,000.

La., New Orleans—Hotel—Grunewald Hotel Com. having plans prepared by Favrot & Livaudais, Hibernia Bank Bldg., and Toledano, Wogan & Bernard, Title & Guarantee Bldg., and takes bids in December, 20 story, Baronne St. $3,000,000-$4,000,000. J. Vaccaro, pres.

La., New Orleans—Opera House—E. Weil, archt., Whitney Central Bldg., preparing plans and takes bids about Sept. 3, constructing opera house, concrete and steel, Louisiana and Crockett Sts., here., for Ehrlish Bros., Shreveport, $750,000.

Ky., Covington—Hospital—Salvation Army, 120 West 14th St., New York City, rejected bids 4 story, brick, stone and steel, here. $150,000. Will readvertise. H. D. Chase, 120 West 14th St., New York City, archt. and engr. Noted Oct. 12.

O., Cincinnati—School, etc.—University of Cincinnati plans School of Applied Arts $600,000, addition to Engineering Building $200,000, Tanners Council of America Research Building $110,000, and College of Law Building $250,000, rein.-con., plain foundations. H. Lake, Telephone Bldg., archt.

Ind., Indianapolis—Church—Holy Rosary Church plans 2 story and basement, 125 x 145 ft., rein.-con., steel and brick, Stevens St. $150,000. Kopf & Woolling, Pythian Bldg., archts.

Ind., Logansport—Hospital—Bd. Hospital Trustees, c/o R. Leonard, archt., Frankfort, having plans prepared 3 story and basement, 100 x 150 ft., brick, here. $150,000.

Ind., Princeton—Memorial—Owner, c/o J. W. Gaddis, archt., Vincennes, plans 3 story and basement, rein.-con., steel and brick, here. $150,000.

Ind., South Bend—Club House—Progress Club plans 3 story, 66 x 165 ft., fireproof. $225,000. E. A. Mayo, 53 West Jackson St., archts.

Mich., Battle Creek—Apartment—Billingham & Cobb, archts., Kalamazoo, making sketches and takes bids in September, 7 story and basement, rein.-con. and brick, concrete pile foundation, Marshall St., here, for G. C. Maass, 67 Yuba St. $500,000.

Mich., Detroit—Apartment—Beckett & Akitt, archts., 73 Monroe Ave., preparing plans 13 story and basement, 50 x 140 ft., brick and steel, plain foundation, Cass Ave. $500,000. Owner's name withheld.

Mich., Detroit—Apartment — Buckingham Apartments, c/o H. J. Darling, archt., 901 Empire Bldg., preparing plans 4 story and basement, 45 x 90 ft., brick and steel, plain foundation, West Grand Blvd. and 3rd St. $150,000.

Mich., Detroit—Church—Redeemer Presbyterian Church, c/o G. D. Mason & Co., archts., 508 Griswold St., had plans prepared 2 story and basement, 70 x 160 ft. with wing, brick, steel and stone, plain foundation, West Grand Blvd. and Trumbull Ave. $200,000.

Mich., Detroit — International Com., Y.M.C.A., 1926 S. Antoine St., having plans prepared by Donaldson & Meier, 1314 Penobscot Bldg., 6 story and basement, 100 x 150 ft., brick, steel and rein.-con., plain foundation, Elizabeth St. $450,000.

Mich., Ecorse—Hotel—P. Pehenczy, c/o P. R. Rossello, archt., 406 Congress Bldg., preparing plans 2 story and basement, 80 x 110 ft., brick and steel, plain foundation. $150,000.

Ill., Chicago—Apartment—Addison Building Corp., c/o B. L. Steif, archt., 64 West Randolph St., plans 6 story, fireproof, Bway. and Addison Sts. $500,000.

Ill., Chicago—Lodge—Lafayette Council 361, Knights of Columbus, 1307 Milwaukee Ave., plans 5 story, fireproof, Fairfield, Washtenaw and Fullerton Sts. $500,000. Shattuck & Layer, 19 South La Salle St., archts.

Ill., Chicago—Store—Apartment and Hotel—Edelson & Paulson, 11 South La Salle St., plan 8 story, 80 x 125 ft., fireproof, 840 Sheridan Rd. $900,000. Lowenberg & Loewenberg, 111 West Monroe St., archts.

Ill., Chicago—Theatre—Baldban & Katz, 181 North State St., plans fireproof theatre, 5,000 seats, Bway. and Lawrence Ave. $5,000,000. Rapp & Rapp, 190 North State St., archts.

Ill., Eldorado—Hotel—Eldorado Hotel Co., having plans prepared by A. P. Barnes, Palace Bldg., Harrisburgh, 3 story and basement, 50 x 110 ft., rein.-con., and brick, concrete pile foundation. $150,000.

Ill., Evanston—Apartment—A. H. Quitsow, archt., 11 South La Salle St., Chicago, preparing plans 3 story, 118 x 138 ft., fireproof, here. $350,000. Owner's name withheld.

Ill., Litchfield—High School—Bd. Educ., having plans prepared by Liese & Ludwig, Temple Bldg., Danville, 2 story and basement, rein.-con. and brick, plain foundation, $150,000.

Wis., Beloit—City Hall—Having plans prepared by F. A. Carpenter, Brown Bldg., Rockford, Ill., 2 story and basement, 78 x 90 ft., fireproof, Public St. near State St. $150,000.

Wis., Fond du Lac—School—St. Patrick's Congregation, 19 East Follett St., rejected bids 2 story and basement, brick and concrete, plain foundation. $150,000. Will readvertise later. Stepnoski & Mehner, Forest Ave., archts. Noted May 17.

Wis., Green Bay—Temple, etc.—Federated Trades Council, City Hall, plans temple and heating plant, brick, rein.-con. and steel, plain foundation. $150,000. W. Weisner, City Hall, pres. Engineer and architect not selected.

Wis., Milwaukee—Apartment—Wisconsin Bond & Mortgage Co., 440 Bway., having revised plans prepared by Voelz & Siebert, archts., 373 Bway., 4 story, 80 x 100 ft., brick, tile and concrete, plain foundation, Juneau Ave. $200,000.

Wis., Milwaukee — Office — Leenhouts & Guthrie, archts., 424 Jefferson St., preparing plans 3 story and basement, 85 x 100 ft., brick and concrete, plain foundation, Prospect Ave. $200,000. Owner's name withheld.

Ia., Clear Lake—Club—Clear Lake Golf Club having plans prepared by E. O. Broaten, Mason City, 2 story and basement, 100 x 100 ft., brick and stone. $150,000.

Ia., Marion — High School — Bd. Educ. having plans prepared by W. J. Brown, Bever Bldg., Cedar Rapids, 3 story and basement, rein.-con., brick and stone. $150,000.

Ia., Waterloo—Church—Linden Methodist Episcopal Society, c/o J. Harnuf, having plans prepared by Netcott & Netcott Co., 517 Black Bldg., 3 story and basement, 100 x 125 ft., steel, brick and tile. $250,000.

Ia., Winfield—School—Bd. Educ., takes bids latter part of month, 2 story and basement, brick and stone. $160,000. Rich & Woodburn, 320 Valley Natl. Bank Bldg., Des Moines, archts. Noted May 10.

Minn., Minneapolis—Store and Office—H. M. Steiner, pres. Amer. Linen Co., 911 La Salle Ave., had plans prepared by Colburn & Forsell, 210 South 9th St., 10 story addition, 70 x 225 ft., rein.-con. and brick, 9th St. and LaSalle Ave. $300,000.

Minn., St. Paul—Store and Office—Citizens Service Corp., 601 Selby Ave., having plans prepared by Toltz, King & Day, 1410 Pioneer Bldg., 12 story and basement, rein.-con., brick and tile, 6th and Jackson Sts. $800,000.

S. D., Sioux Falls—City Hall—Plans 3 or 4 story and basement, rein.-con., brick and tile. $225,000.

N. D., Fargo—Hospital—Cass Co. plans rein.-con., brick and tile, probably 3 story and basement. $150,000. W. R. Tucker, c. aud. Engineer and architect not selected.

N. D., Jamestown—Club—Knights of Columbus, Council 1883, having plans prepared by E. Rosatti, 117 Bway., Fargo, 3 story and basement, 50 x 110 ft., rein.-con., brick, tile, steel and terra cotta. $150,000.

Mo., Kansas City — School — Barstow School having preliminary plans prepared by Holt, Price & Barnes, 800 Davidson Bldg., rein.-con. and brick, 48th and Rock Hill Sts. $150,000.

Mo., Sedalia—Court House—Pettis Co. had plans prepared by W. E. Hulse & Co., Hoke Bldg., Hutchinson, Kan., 3 story and basement, 100 x 130 ft., rein.-con., brick and stone. $350,000. Noted Apr. 19.

Mo., Unionville—Court House—Putnam Co. voted $150,000 bonds for court house. Engineer and architect not selected.

Mo., Warrensburg—High School—Bd. Educ., having plans prepared by J. H. Felt & Co., 800 Grand Ave. Temple, Kansas City, 2 story and basement, rein.-con., brick and stone. $200,000. Noted May 17.

Tex., Dallas—Hotel—J. O. Taft, archt., 1714 Corsicana St., soon takes bids 9 story and basement, 90 x 103 ft., concrete, brick and stone, plain foundation, Harwood and Jackson Sts., for E. D. Gonzales, 3029 Bryan St. $311,000.

Tex., Ft. Worth—Apartment—L. E. Callicotte, Burkburnett Bldg., had plans prepared by E. T. Glasgow, F. & M. Bldg., 4 story and basement, 70 x 100 ft., brick, stone, steel and timber, plain foundation, Bway. $150,000.

Tex., San Antonio—Y. M. C. A. takes bids about July 10, 8 story, 90 x 120 ft., rein.-con., brick and stone, concrete pile foundation, Pecan and Navarro Sts. $400,000. W. E. Simpson Co., N. B. C. Bldg., engrs. Adams & Adams, 517 Gibbs Bldg., archts. Noted Nov. 16.

Tex., Texarkana—Bank and Office—First Natl. Bank takes bids about July 1, 8 story and basement, steel, concrete and brick, plain foundation. $250,000. Sanguinet, Staats & Herrick, First Natl. Bank Bldg., Ft. Worth, and Siebert & Halsey, Texarkana, archts.

Tex., Waco—City Hall—Defeated $325,000 bonds 4 story and basement. A. T. Koch, city engr. Noted Apr. 19.

Buildings (Continued)

Okla., Chickasha—Industrial Art—State Bd. of Officers, Oklahoma City, having plans prepared by Layton, Smith & Forsyth, 701 Southwest Natl. Bank Bldg., Oklahoma City. 3 story and basement, 70 x 160 ft., rein.-con., brick and stone, here.

Okla., Tulsa—Office—Chamber of Commerce, City Hall, plans 5 story and basement, 75 x 140 ft., rein.-con., brick and stone, 5th and Cincinnati Sts. $150,000. Engineer and architect not selected.

Colo., Denver — Church — Congregation Emanuel, 16th Ave. and Pearl St., having plans prepared by R. Wieger, Chamber Commerce Bldg., 50 x 100 ft., brick and steel, plain foundation. $150,000.

Colo., Greeley—College—Bd. Educ. having plans prepared by W. B. Ittner, 910 Locust St., St. Louis, Mo., 2 story and basement, rein.-con. and brick, plain foundation. $200,000.

Ore., Astoria—Hospital—Fraternal Hospital, Inc., plans 3 story and basement, 40 x 175 ft., rein.-con., Franklin Ave. $150,000. J. E. Wicks, Astoria, archt.

Ore., Portland—Academy—Hill Military Academy plans group of 10 college buildings at Rocky Butte, near here. $500,000. Address J. A. Hill, c/o owner. Engineer or architect not selected.

Calif., Hanford — Auditorium — Election June 20, to vote on $190,000 bonds for municipal auditorium.

Calif., Hollister—School—San Benito Co. High School Dist., having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 1 and 2 story, rein.-con. buildings, incl. main building, auditorium and gymnasium. $200,000.

Calif., Los Angeles—Apartment—J. A. Fitch, c/o Russell & Alpaugh, archts., Story Bldg., having plans prepared 4 story and basement, 90 x 150 ft., brick, 11th and Lake Sts. $150,000.

Calif., Los Angeles—City Hall—Voted $7,500,000 bonds to acquire necessary land and construct new city hall. Noted Apr. 4.

Calif., Los Angeles—Hotel—S. H. Blevin, c/o Walker & Eisen, archts., Pacific Finance Bldg., having plans prepared 10 story, rein.-con., Wilshire and Hampshire Sts. To exceed $500,000.

Calif., Los Angeles — Library — Voted $500,000 bonds to acquire more land as site for new public library.

Calif., Los Angeles—Theatre and Store—W. Hast, et al., c/o M. Hunt, archt., Hibernian Bldg., having plans prepared 2 story and basement, rein.con., Vine St. $150,000 or more.

Calif., Oakland — Office — C. W. McCall, archt., Central Bldg., preparing plans 5 story, rein.-con., downtown section of city. $200,000. Owner's name withheld.

Calif., San Francisco—Apartment—W. E. Hudson, archt., Chronicle Bldg., preparing preliminary plans 6 story and basement, fireproof, Sutter and Leavenworth Sts. $150,000. Owner's name withheld.

Calif., San Francisco—Church—Grace Cathedral, c/o L. P. Hobart, archt., Crocker Bldg., having plans prepared, stone and fireproof, block bounded by Jones, California, Taylor and Sacramento Sts. $2,000,000.

Calif., San Francisco—Store, etc.—L. R. Lurie, 315 Montgomery St., having plans prepared by O'Brien Bros., Inc., 315 Montgomery St., 2 story and basement store, loft and auto stage depot, rein.-con., Jessie and 5th Sts. $200,000. Pickwick Stages, 683 Market St., and Pacific Auto Stages, Inc., 3730 Mission St., will occupy building.

Calif., Stockton—City Hall—Opens bids about June 15 (change of date) for city hall, fireproof, on block bounded by El Dorado, Center, Fremont and Lindsey Sts. $600,000. Noted May 3.

Calif., Stockton—Office—G. Allen, archt., 37 South Aurora St., preparing plans 5 story and basement, rein.-con., Sutter and Channel Sts. $200,000. Owner's name withheld.

Calif., Turlock—Academy—Turlock Union High School Dist., having plans prepared by W. H. Weeks, 369 Pine St., San Francisco, 2 story, rein.-con. and brick. $200,000.

Calif., Watsonville—Schools—City plans election to vote on $100,000 bonds for grade schools and $100,000 bonds for new high school.

Ont., St. Catherines—Station—Niagara, St. Catherines & Toronto Ry., plans passenger and freight station, here. $300,000. R. L. Harrison, St. Catherines, ch. engr.

Ont., Toronto—Hospital—City having plans prepared by G. W. F. Price, City Hall, 2 or 3 story and basement, rein.-con. and brick, plain foundation, Surrey Pl. $200,000.

Ont., Toronto—Hospital—St. Michaels Hospital, 30 Bond St., plans brick and steel, Victoria St. $500,000. Engineer and architect not selected.

Ont., Toronto—Theatre—V. Glaser, 764 Yonge St., plans 2 story and basement, rein.-con., brick, stone and marble, plain foundation. Engineer and architect not selected.

BIDS DESIRED

N. Y., Brooklyn—Police Station—June 18, by R. E. Enright, police comr. at Bookkeepers Office, 240 Centre St, New York, new 105th Precinct Police Station House and garage, Meserole Ave. and Lorimer St., here.

N. Y., New York—Office—Fifth Ave. and 46th St. Corp., c/o Schwartz & Gross, archts. and engrs., 347 5th Ave., will build 16 story, 100 x 100 ft., brick, steel and stone, plain foundation, 2 West 46th St. $1,000,000. Work will be done by separate contracts under supervision of architects.

N. Y., New York—Schools—June 22, by W. H. Gompert, archt., Flatbush Ave. extension and Concord St., Brooklyn, P. S. 60, East 12th St., also P. S. 73, 3 story, West 166th St. and Woodycrest Ave., both brick, steel and stone, plain foundation, for Bd. Educ., 500 Park Ave. $850,000 and $425,000 respectively. Noted Feb. 1 and May 10.

N. J., Bergenfield—School—July 3, by Bd. Educ., Washington School, Summit and Taylor Aves., new school. E. Sibley, archt., L. C. Licht, Hacker & Hacker, associated archts., Edgewood Lane and Bluff Rd., Palisade; adv. this issue. Noted Apr. 26.

Pa., Bedford Springs—Hotel—June 19, by Rutas, Russell & Wood, archts., Century Bldg., Pittsburgh, 4 and 5 story and basement, 42 x 336 ft. and 42 x 66 ft., 2 story and basement, 65 x 125 ft., and 1 story and basement, 60 x 125 ft. additions, here, for Bedford Springs Hotel Co. $500,000.

Md., Baltimore—Church, etc.—June 21, by H. P. Baker, pastor and chn. building com., Wilkens Ave. Methodist Episcopal Church, 306 South Mount St., 3 story, 66 x 113 ft. church and Sunday school, Wilkens Ave. and Vincent St. $155,000. H. L. Cain, 12 North 9th St., Richmond, Va., archt.

W. Va., Charleston—Club—June 18, by L. Lott, archt., 1004 Commercial Bldg., Dayton, O., 2 story and basement, 60 x 103 ft., Spring Hill, for Kanawha Country Club. $200,000. Noted Nov. 30.

Ky., Louisville — Temple — June 29, by Nevin, Wischmeyer & Morgan, archts., Starks Bldg., temple, 4th and Breckenridge Sts., for Scottish Rite Assn., 438 - 6th St. $750,000. Noted May 10.

O., Akron—Store, Shop and Theatre—Rapp & Rapp, archts., 190 North State St., Chicago, taking bids 3 story, fireproof, Main and High Sts., here, for Akron Enterprises Corp.

O., Cleveland—Commercial and Office—H. T. Jeffrey, archt., 621 Hanna Annex, taking bids and opens same about June 24, 4 story and basement, 132 x 132 ft., brick, steel and concrete, 12th St. and Chester Ave., for Chester-12th Building Co., c/o J. E. Andrews, 631 Hanna Annex. $300,000.

O., Columbus—School—July 2, by E. L. McCune, clk. Bd. Educ., Town and High Sts., 2 story, 72 x 166 ft., rein.-con. and brick, Markinson and 19th Sts. $140,000. Former bids rejected. H. D. Smith, 50 East Town St., archt. Noted Apr. 26.

Ill., Chicago—Apartment—W. A. Morrow & Co., archts., 30 North Michigan Ave., receiving bids 3 story, 110 x 110 ft., fireproof, South Park Blvd. near 108th St., for E. P. Waldron, 5733 Calumet Ave. $200,000.

Ill., Chicago—Hotel—F. U. Malmin, 54 West Randolph St., and R. D. Huszagh, archt., 105 North Clark St., receiving bids 3 story, 100 x 150 ft., fireproof, Bway. and Buena Park. $250,000.

Mich., Lansing — Temple — June 19, (change of date) by E. A. Bowd, archt., 127 West Allegan St., 7 story, 100 x 165 ft., south Capitol Ave., for Masonic Temple Assn., Amer. State Savings Bank Bldg. $750,000. Noted May 31.

Wis., Verone—Asylum—June 29, (change of date) by Dane Co. c/o M. Sommers, 512 West Wilson St., 4 story, 100 x 140 ft., brick, rein.-con. and steel, plain foundation. $150,000. A. D. Conover, Tenney Bldg., Madison, archt. Noted June 7.

Wis., Milwaukee — Science and Law School—June 20, by A. C. Eschweiler, archt., 141 Wisconsin St., brick and concrete, plain foundation, for Marquette University, 1115 Grand Ave.

Wis., Milwaukee—Store and Office—June 20, by Herbst & Kuenzli, archts., 114 Grand Ave., 10 story and basement, brick and concrete, plain foundation, for B. E. Nicholl, 109 Wisconsin St. $350,000. Noted May 3.

Ia., Oelwein—High School—June 27, by W. Gordon, archt., 317 Hubbell Bldg., Des Moines, 2 story and basement, brick and stone, here, for Bd. Educ. $200,000. Noted Apr. 19.

Minn., St. Paul—School—June 18, by H. W. Austin, city purch. agt., 3 story and basement, rein.-con., brick and tile, 14th and Jackson Sts. $225,000. F. Z. Tewes, city archt.

Tex., Houston — Chemical — June 25, by W. W. Watkins, archt., Scanlan Bldg., 3 story and basement, concrete, tile and brick, plain foundation, for Rice Institute. $375,000.

S. D., Flandreau—School—June 22, by Bd. Educ., 2 story and basement, rein.-con., brick, tile and stone. $150,000. Schuemacher & Finkelhor, 315 Paulton Blk., Sioux Falls, archts.

BIDS RECEIVED

Wis., La Crosse—Schools—Bd. Industrial Educ., 1 and 2 story, 140 x 206 ft. vocational school, and 3 story and part basement, 114 x 155 ft., Lincoln Grade School, both brick, tile and concrete, plain foundations, from Grahn & Bathhurst, 638 Plymouth Bldg., Minneapolis, Minn., $138,900 and $176,940 respectively. Noted May 24.

Calif., San Francisco—School—City and San Francisco Co., rein.-con. school, Powell St. near Francisco St., general contract from R. Trost, 26th and Howard Sts., $191,865. Noted May 31.

Calif., Torrance—High School—Torrance High School Dist., constructing brick high school, general contract from J. C. Bannister, Marsh-Strong Bldg., Los Angeles, $137,654. Noted May 24.

CONTRACTS AWARDED

Me., Sanford—Office—Preble Lodge Masons 143, 4 story, 76 x 96 ft., brick and timber, plain foundation, to Turner Constr. Co., 178 Tremont St., Boston, $150,000. Archts. est. $155,000.

Mass., Boston — Apartment — Pilgrim Court Corp., 17 Congress St., will build 5 story, rein.-con., brick and stone, wood pile foundation, Riverway, by day labor. $750,000. Silverman, Brown & Heenan, 51 Cornhill, archts.

N. Y., New York — Apartment — J. Diamond, c/o G. Nordham, archt. and engr., 18 West 34th St., will build 6 story, 100 x 125 ft., brick, steel and stone, plain foundation, Bryant Ave., by day labor. $250,000.

N. Y., New York—Apartments—Finkelstein & Schwartz, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, 100 x 100 ft., Sheridan Ave., $250,000, and 6 story, Westchester Ave., $200,000, both brick, steel and stone, plain foundations, by day labor.

N. Y., New York—Apartment—M. Perlbinder, c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build 5 story, brick, steel and stone, plain foundation, West Farms Rd., by day labor. $250,000.

Pa., Altoona — Nurses Home — Altoona Hospital, 4 story and basement, 40 x 105 ft. brick, limestone and terra cotta addition, by day labor. Archts. est. $150,000. Steel contract to Phoenix Bridge Co., Phoenixville. Crow, Lewis & Wick, 200 5th Ave., New York City, archts. Noted Mar. 22.

Pa., Pittsburgh—Office—Bell Telephone Co. of Pennsylvania, Phila., general contract 3 story and basement, East Diamond and Montgomery Sts., here, to W. F. Trimble & Sons Co., 1719 Pennsylvania Ave. Archts. est. $150,000.

Pa., Pittsburgh—Synagogue—Adath Jashuras Congregation, c/o R. Friedberg, archt., Farmers Bank, 1 story and basement, 70 x 93 ft., St. Clair and Margarette Sts., to H. Rubenstein, 601 West Euclid Ave. Archts. est. $150,000. Noted July 13.

W. Va., Wierton — High School — Bd. Educ., 2 story and basement, 95 x 157 ft., Orchard St., to Steubenville Stone Building Co., Steubenville, O., $176,515. Noted May 24.

N. C., Goldsboro — Office — Independent Order Odd Fellows, State Grand Lodge, 10 story, 65 x 96 ft., concrete, steel, brick and terra cotta, to J. E. Beaman, Commercial Bank Bldg., Raleigh, $400,000.

Fla., Miami — Hotel and Store — E. C. McAllister, 320 - 12th St., 9 story, 100 x 140 ft., rein.-con., Flagler St., to G. W. Langford Co., Miami, $500,000 plus percentage basis.

Ky., Nazareth — Convent — Convent of Nazareth, 3 story convent, to J. Meyer, Jr., Cincinnati, O. Archts. est. $150,000. Noted May 24.

O., Cincinnati—Office, etc.—S. Rosenthal & Co., 15 West 6th St., 6 story, 70 x 120 ft.,

Buildings (Continued)

rein.-con. and brick office and printing shop, plain foundation, 12th and Jackson Sts., to Ferro Concrete Constr. Co., 3rd and Elm Sts., $200,000.

O., Cleveland — Hospital — Associated Building Co., East 93rd St. and Euclid Ave., 6 story and basement, 50 x 164 ft., brick, steel and concrete, to Lundoff-Bicknell Co., 5716 Euclid Ave. Archts. est. $400,000. Noted May 24.

O., Cleveland—Library—Cleveland Pub. Library Bd., c/o E. H. Whitlock, Kinney-Levan Bldg., 4 story, 199 x 216 ft., brick, steel, concrete and marble, East 3rd St. and Superior Ave., to Lundoff-Bicknell Co., 5716 Euclid Ave. Archts. est. $4,000,000. Noted June 7.

O., Cleveland—Office, etc.—Six Thousand Three Hundred Euclid Co., c/o J. G. Russell, Ulmer Bldg., 3 story and basement, 72 x 153 ft. office and 3 story and basement, 85 x 120 ft. warehouse, brick and steel, 6300 Euclid Ave., to H. K. Ferguson Co., 4900 Euclid Av. Archts. est. $200,000.

O., Columbus — Office — F. L. Packard, archt., 16 East Broad St., 8 story and basement, 80 x 96 ft., brick, concrete and terra cotta, 4th and Broad Sts., to E. H. Latham, 60 East Broad St., for M. L. Yuster, Parkview Ave. and Broad St. $341,680. Noted May 17.

O., Toledo—Store—F. W. Woolworth & Co., Woolworth Bldg., New York City, 2 story and basement, 120 x 120 ft., brick, steel and terra cotta, plain foundation, Adams and Superior Sts., here, to A. Bentley & Sons Co., 201 Belmont Ave., $200,000. Noted May 24.

Mich., Detroit—Apartment—G. J. Hilsendegen, 185 Lochmoor Blvd., 10 story and basement, 113 x 128 ft. rein.-con., brick and steel, plain foundation, John R St., to O. Misch Co., 159 East Columbia Ave.

Mich., Detroit—Apartment—A. V. Lee, c/o L. Kamper, archt., Kamper Bldg., Cass Ave., 9 story and basement, 60 x 125 ft., brick, steel and rein.-con., plain foundation, Sproat St., to O. Misch Co., 159 East Columbia St., $350,000. Noted May 3.

Mich., Detroit—High School—St. Leo's Parish, 14th and Warren Aves., 3 story, 72 x 145 ft., brick, steel, stone and concrete, plain foundation, to Hazelton & Clark Co., 1359 Book Bldg., $150,000.

Ill., Chicago—Apartment—G. Peterson, 29 South La Salle St., 3 story, 98 x 200 ft., fireproof, 4800 Ellis Ave., to Salmon-Waterton Co., 230 East Ohio St. Archts. est. $250,000.

Ill., Chicago—Apartment—M. Sugar, 4839 North Avers Ave., will build 3 story, 125 x 150 ft., fireproof, Whipple St. near Monrose St., by day labor. $200,000. A. L. Himelblau, 30 North Dearborn St., archt.

Ill., Chicago — Apartment-Hotel — J. Schmitt, 8258 Halsted St., 3 story, 50 x 260 ft., fireproof, 5510 Cornell St., to J. McHugh & Co., 7031 Morgan St. Archts. est. $150,000.

Ill., Chicago — School — Bd. Educ., 650 South Clark St., 3 story, 184 x 275 ft., fireproof, 1426-38 North Parkside Ave., to F. Burke & Son, 35 South Dearborn St. Archts. est. $650,000.

Ill., Chicago—School—Bd. Educ., 650 South Clark St., 3 story, 135 x 168 ft., fireproof, 1620 South Spaulding Ave., to S. N. Nielsen, 3059 Augusta St. Archts. est. $600,000.

Ill., Chicago—Theatre, Store and Office—Fitzpatrick-McElroy Co., 200 South State St., 3 story, 125 x 125 ft., fireproof, 3149-59 West 63rd St., to West Englewood Constr. Co., 6237 South Ashland Ave. Archts. est. $200,000.

Ill., Evanston—Club—Evanston Country Club, 2 story, 72 x 170 ft., fireproof, Grove St., to MacLean Constr. Co., 76 West Monroe St., Chicago. Archts. est. $250,000.

Wis., De Forest—High School Bd. Educ., brick, rein.-con. and steel, plain foundation, to De Forest Lumber Co., De Forest. Archts. est. $150,000. Noted Jan. 18.

Wis., Madison—Store and Apartment—Piper Bros. Co., 31 North Pinckney St., 3 story, 66 x 100 ft., brick, rein.-con. and steel, plain foundation, to J. H. Keeley, 2013 Madison St. Archts. est. $150,000. Noted June 7.

Wis., Platteville—Temple—Melody Lodge 2, c/o J. Buris, Jr., will build 2 story, 90 x 100 ft., brick, rein.-con. and steel, plain foundation, by day labor. Noted Apr. 26.

Ia., Keokuk—School—Bd. Educ., general contract 3 story and basement, rein.-con., brick, tile and stone, to Currie-Simpson Co., 180 West 1st St., Waterloo, $257,000. Noted June 7.

Minn., Ely — High School — Bd. Educ., general contract 3 story, 169 x 208 ft., brick, stone and steel, to Jacobson Bros., 410 Columbia Bldg., Duluth, $539,700. Total $700,000. Noted May 17.

Neb., Omaha—Office and Store—George & Co., 902 City Natl. Bank Bldg., 4 story and basement, 70 x 420 ft., rein.-con., brick and stone, general contract to J. Black Masonry & Contg. Co., 515 Federal Reserve Bank Bldg. Archts. est. $750,000.

Mo., Clayton — School — John Burroughs Country Day School, Wall Bldg., St. Louis, 2 story and basement, 50 x 330 ft., rein.-con. and brick, plain foundation, Price and Clayton Sts., here, to Gamble Constr. Co., 619 Chestnut St., St. Louis. Archts. est. $200,000. Noted Jan. 25.

Mo., Kansas City—Office—Kansas City Life Insurance Co., Rialto Bldg., general contract 3 story and basement, 140 x 160 ft., rein.-con. and brick, Bway. and Armour Blvd., to Collins Bros., 1600 Grand Ave. Archts. est. $600,000. Noted Mar. 15.

Mo., Trenton—High School—Bd. Educ. general contract 3 story and basement, 100 x 150 ft., brick and stone, to C. C. Ebbe, Trenton, $157,026. Noted May 3.

Tex., Dallas—Theatre—J. H. Yeargan, Jr., Republic Natl. Bank, 3 story and basement, terra cotta, steel, concrete and brick, plain foundation, Bryan and Masten Sts., to Vilbig Bros., Paris and Bourbon Sts., $150,000. Noted Apr. 26.

Okla., Tulsa—Church—Trinity Episcopal Congregation, general contract 2 story and basement, rein.-con., brick and steel, 5th and Cincinnati Sts., to Bricknert & Garbett Constr. Co., 924 South Main St. Archts. est. $300,000. Noted Mar. 22.

Ore., Portland—Apartment—Commodore Investment Co., 512 Chamber of Commerce Bldg., general contract, 4 story and basement, 90 x 139 ft., rein.-con., plain foundation, Glison and 20th Sts., to McHolland Bros., Abbington Bldg., $200,000.

Calif., Long Beach—Store, Hotel and Club—C. J. Harper, Sea Gull Apartments, 10 story, concrete and steel, Ocean Blvd., to A. W. Baruch, 236 South Plymouth St., Hollywood, $750,000. Noted May 10.

Calif., Los Angeles—School, etc.—Cumnock School of Expression, 200 South Vermont St., will build 2 and 3 story, school, auditorium and dormitory, timber, Las Plumas and 3rd Sts., by day labor. $200,000. A. S. Heiman, San Fernando Bldg., archt. Noted June 1.

Calif., Los Angeles—Theatre—Erlanger Syndicate, 100 x 140 ft., 5th St. and Grand Ave., to Scofield Eng. Constr. Co., Pacific Finance Bldg., $500,000.

Calif., Modesto—Hotel—G. F. Covell, c/o A. W. Cornelius, archt., Merchants Natl. Bank Bldg., San Francisco, 5 story, brick and steel, here, to Hansen & Buchen, 1116 H St., $150,000. Noted May 24.

Calif., San Francisco—Apartment and Store—P. Bradley and I. E. O'Connell, 180 Jessie St., 6 story and basement, rein.-con., Sutter and Larkin Sts., to Fennell & Chisholm, 180 Jessie St., $150,000.

Ont., Toronto—Apartment—Roberts Bros., 241 Dovercourt Rd., will build 5 story and basement, brick and steel, plain foundation, Russell Hill Rd., by day labor. $250,000. N. G. Beggs, 6 Jean St., archt.

Ont., Toronto—Hospital—City, 3 story and basement, concrete, brick and steel, plain foundation, Surrey Pl., masonry work to Holtky Bros., Hepbourne St., $197,000; carpentry to F. Wilson, 22 Bank St., $40,465. Noted May 3.

Ont., Toronto — Office — See "Industrial Works."

Federal Government Work

PROPOSED WORK

Virginia—Quarters, etc.—Spec. 4855—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans inspector's quarters and improvements, St. Julien's Creek, here.

Ky., Louisville—Laundry—Treas. Dept., Wash., D. C., plans laundry and equipment, also extensions to Marine Hospital, here.

Ky., Owensboro—Lock and Dam—U. S. Engineer, P. O. Box 72, Louisville, plans 110 x 600 ft. lock also Dam 46, 3,000 ft. long, Ohio River, near here.

Washington—Road—Bureau Pub. Rds., Post Office Bldg., Portland, Ore., rejected bids clearing 45 acres and grubbing 34 acres on 9.3 mi. Olympic Highway, National Forest Rd., here. G. H. Purcell, dist. engr.

Wash., Puget Sound—Storehouses, etc.—Spec. 4860—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 2 storehouses and magazines at Naval Ammunition Depot, here.

H. T., Pearl Harbor—Storehouse—Spec. 4859—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans 1 story storehouse, here.

BIDS DESIRED

Del., Wilmington—Dredging—July 9, at office U. S. Engineer, Wilmington, dredging Maurice and Cohansey Rivers, N. J.; adv. this issue.

Md., Perryville—Building—June 25, by U. S. Veterans Bureau, Arlington Bldg., occupational therapy building, complete, at U. S. Veteran's Hospital, 42, here.

La., New Orleans—Pumps—July 5 at office U. S. Engineer, 329 Custom House, two 20 in. dredging pumps.

New Orleans, La.—Steel Rail—June 18, by 4th Dist. Mississippi River Comn., 140 Decatur St., 2,090 lb. steel rail, to be cut in 15 ft. lengths.

Ky., Frankfort—Remodeling—July 3, by Treas. Dept., Wash., D. C., remodeling and extension U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Montana — Road — June 28, by District Engineer, U. S. Bureau Pub. Rds., Glacier Park, clearing, grading and building small bridges on 8-10 mi., in Glacier National Park. G. E. Goodwin, 811 Conch Bldg., Portland, Ore., ch. engr.

Colo., Denver—Steps—July 9, by Treas. Dept., Wash., D. C., furnishing and setting granite steps, U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

Arizona — Road — June 18, by E. S. Wheeler, dist. engr., U. S. Bureau Pub. Rds., Dept. Agriculture, 242 West Washington St., Phoenix, clearing, grading, etc., 7.57 mi. Clifton-Springerville Forest Rd., Apache National Forest, Apache Co.

H. T., Pearl Harbor—Piers and Wharf—Spec. 4799—Aug. 8 by Bureau Yards & Docks, Navy Dept., Wash., D. C., rein.-con. piers and wharf at Submarine Base, here. Noted Mar. 29.

BIDS RECEIVED

R. I., Providence—Dredging—U. S. Engineer, Providence, dredging in Duck Island Harbor, Conn., from Columbia Dredging Co., 30 Church St., New York City, $0.16 per cu.yd. scow measurement, total, $36,800. Noted May 3.

Pa., Phila.—Dredging—U. S. Engineer, 815 Witherspoon Bldg., dredging in Delaware River, Philadelphia Harbor, 201,000 cu.yd. excav., maximu mallowable overdepth 84,000 cu.yd., from Amer. Dredging Co., Mariner and Merchant Bldg., $0.34. Noted May 3.

Del., Wilmington—Dredging—U. S. Engineer, dredging mouth of Christiana River, Wilmington Harbor, 2,300,000 cu.yd. excav., from United States Dredging Co., 233 Bway., New York City, $0.1468 per cu.yd. Noted May 10.

D. C., Wash. — Repairs — Spec. 4822 — Bureau Yards & Docks, Navy Dept., Wash., D. C., repairs to wharf at Naval Militia Barracks, here, from Clark & Winston, Inc., 10th and Water Sts., (1) $3,440 (2) add $0.50 deduct $0.05 (3) add $0.75 deduct $0.10 (4) $200 and $175 per M. ft.; McLean Contg. Co., 1415 Fidelity Bldg., Baltimore, Md., (1) $3,845 (2) add $0.50 deduct $0.05 (3) add $0.60 deduct $0.05 (4) $180 (5) $140; Imbach, Wozney & McCoy, 700 Knickerbocker Bldg., Baltimore, (1) $6,968 (2) add $200 (3) add $2.20 deduct $0.25 (4) $120 (5) add $100. Noted Mar. 29.

La., New Orleans—Dredging—U. S. Engineer, 329 Custom House, dredging Calcasieu-Sabine Sect., Intracostal Waterway, 2,125,000 cu.yd., from Atlantic, Gulf & Pacific Co., 13 Park Row, New York City, $0.1648, total $350,000. Noted May 10.

New Mexico—Road—Bureau Pub. Rds., U. S. Dept., Agriculture, 242 West Washington St., Phoenix, Ariz., constructing or improving 11.09 mi. Glenwood-Reserve Sect. 4, Forest Highway, Datil National Forest, Catron Co., here, from G. W. Orr, County Rd., El Paso, Tex., on Condition "B," Alternate "B," $211,639. Noted May 3.

Calif., San Diego—Barracks—Spec. 4765—Bureau Yards & Docks, Navy Dept., Wash., D. C., barracks at Naval Base, here, from R. E. Campbell, 607 Bancroft Bldg., $390,000 (360 days) telegraphic modification add $97,718, total $487,718. Noted May 18.

CONTRACTS AWARDED

N. Y., Dunkirk—Superstructure—U. S. Engineer, Federal Bldg., Buffalo, stone superstructure on breakwater, here, to Central Dredging Co., Bangor Bldg., Cleveland, O., $58,860. Noted May 18.

La., New Orleans—Dredging—U. S. Engineer, 329 Custom House, dredging Intracostal Waterway between Bayou Black and Bayou Terrebonne, 333,000 cu.yd., to Grant, Smith & Co., Raceland, $0.23 per cu. yd. Noted Mar. 15.

Ky., Addison—Steel Piling—U. S. Engineer, P. O. Box 72, Louisville, furnishing 435 tons steel sheet piling, for Dam 45, Ohio River, here, f.o.b. Louisville, to Bethlehem Steel Co., Bethlehem, $26,000. Noted May 31.

Calif., Los Angeles—Dredging—U. S. Engineer, widening Los Angeles Inner Har-

Federal Government Work (Continued)

bor entrance channel, to San Francisco Bridge Co., Nevada Bank Bldg., San Francisco, Area 3, $419,226; F. C. Franks Constr. Co., American Natl. Bank Bldg., San Francisco, Areas 4, 5 and 6, $337,953. Noted May 31.

Calif., Richmond—Dredging, etc.—U. S. Engineer, Custom House, San Francisco, to United Dredging Co., 414 13th St., Oakland, 910,000 cu.yd. dredging, $181,454; to Healy-Tibbitts Constr. Co., 64 Pine St., San Francisco, 2,000 ft. training wall, with sheet piling core with riprap, $12,960. Noted May 18.

H. T., Pearl Harbor—Storehouse—Spec. 4692—Bureau Yards & Docks, Navy Dept., Wash., D.C., complete 2 story, concrete, tile and steel storehouse, at Naval Operating Base, here, to L. R. Smith, 1576 Pensacola St., Honolulu, $147,505 (315 days). Noted May 31.

Miscellaneous

PROPOSED WORK

Power Development—Norwood, N. Y.—Power Corp. of New York, Light and Power Bldg., Watertown, plans hydro-electric development, incl. dam, powerhouse, etc., on Racquette River, here. $750,000. W. P. Creager, Northern New York Trust Co. Bldg., Watertown, ch. engr.

Grain Elevator—Troy, N. Y.—New York State Canal Bd., Albany, having specifications prepared grain elevator, rein.-con. and steel, concrete pile foundation, at Barge Canal terminal, Front St. $1,000,000. A. La Du, Albany, state engr.

Levee—New Orleans, La.—Louisville & Nashville R.R., 10th St. and Bway., Louisville, Ky., and Southern Pacific R.R., 165 Bway., New York City, plan levee along Mississippi River near here. $100,000. G. R. Smiley, 10th and Bway., Louisville, Ky., ch. engr. of constr.

Stadium—Lexington, Ky.—University of Kentucky plans concrete and steel stadium, 20,000 seating capacity. $140,000. Engineer and architect not selected.

Athletic Field, etc. — Cincinnati, O. — Hughes High School Alumni Assn., Clifton and McMillan Sts., plans athletic field and stadium. $100,000. J. Stewart, 1309 Traction Bldg., engr.

Elevator — Indianapolis, Ind. — Perins Mills Inc., Emerson Ave. and Pendleton Pike, plans 5 story, 150 x 500 ft. and 1 story, 120 x 200 ft. elevator, rein.-con., Pendleton Pike, $250,000. Engineering Investment Co., c/o owner, engrs.

Grade Separation—Milwaukee, Wis.—Greenfield Twp. soon takes bids grade separation, excavation, rein.-con. retaining walls, etc., along tracks Chicago & Northwestern Ry. on Kilbourn Rd., near here. $25,000. J. Schwada, City Hall, Milwaukee, engr.

Transmission Lines — Cameron, Mo. — See "Industrial Works."

Underpass—Dallas, Tex.—See "Streets and Roads."

White Way—Sayre, Okla.—See "Sewers."

Tank, etc.—Linton (Portland P. O.), **Ore.**—Associated Oil Co., Yeon Bldg., Portland, plans 55,000 gal. oil tank, steel, side track and truck filling stand. $75,000. Private plans. R. H. Cook, mgr. Work will probably be done by day labor.

Harbor Development—Los Angeles, Calif.—Voted $15,000,000 bonds for development of harbor, incl. docks, wharves, warehouses, elevators, bunkers, railroad terminals, channels, breakwaters, jetties, dykes, etc.

BIDS DESIRED

Asphalt Binder—New York, N. Y.—June 22, by Bd. Purch., Municipal Bldg., asphalt binder and binder oil to Dept. Parks-Bronx, G. A. Whalen, chn.

Subway Changes—New York, N. Y.—June 21, by Transit Comn., 49 Lafayette St., making changes in subway structure at Bway. incidental to widening of West 32nd St. and constructing ventilation flue at West 32nd St. and Bway., Routes 4 and 36, Sect. 2, Manhattan Boro. G. McAneny, chn.

Stadium—Erie, Pa.—Osborn Eng. Co., 2848 Prospect Ave., S. E., Cleveland, O., receiving bids rein.-con. single deck stadium, 20,000 seating capacity, for Bd. Educ., here. $175,000. Noted June 7.

Heating and Ventilating Apparatus—Cincinnati, O.—June 25, by Clerk Bd. Educ., 7th and Race Sts., heating and ventilating apparatus in Hughes High School, Clifton and McMillan Sts., and Hartwell Public School, Springfield Pike and Hartwell Ave. To exceed $50,000. W. E. Bodenstein, 405 2nd Natl. Bank Bldg., engr.

Street Lighting System—Shorewood (Milwaukee P. O.), Wis.—June 18 (change of date), by T. B. Olsen, clk., street lighting system. A. J. Sweet, 531 Grand Ave., engr. $80,000.

Portland Cement—St. Paul, Minn.—June 18, by H. W. Austin, city purch. agt., 253 bbl. portland cement for Dept. Pub. Wks. G. M. Shepard, city engr.

Sandstone Blocks—St. Paul, Minn.—June 18, by H. W. Austin, city purch. agt., 800 sq.yd. sandstone block for Dept. Pub. Wks. G. M. Shepard, city engr.

Lighting System—Joplin, Mo.—June 19, to vote on $80,000 bonds extending lighting system, etc. S. P. Ashcroft, Jr., Joplin, engr.

Subway—Ontario—June 25, by W. A. McLean, deputy minister of highways, Toronto, steel subway under Canadian National Ry. tracks 1 mi. east of Toronto, 20 ft. high, 66 ft. wide, carrying double track railway. $50,000-$100,000. G. Hogarth, 110 University Ave., Toronto, engr.

BIDS RECEIVED

Modification of Railroad Structure—New York — Transit Comn., 49 Lafayette St., New York City, June 7, modification of railroad structure east of Boulevard to allow raising street grade, Route 61, Boro of Queens, Agreement "CM," from Hamme & Jackson, Inc., 1014 East 14th St., Brooklyn, $37,735. Noted May 31.

Dock and Warehouse—New Orleans, La.—Bd. Port Comrs., June 7, reconstructing portion of Celeste St. dock warehouse, from Dalgran Constr. Co., Louisiana Bldg., $150,404.

Standium—Madison, Wis. — University of Wisconsin, rein.-con. and steel stadium, from G. Nelson, 1117 West Johnson St., Madison, $50,499. Noted May 24.

CONTRACTS AWARDED

Pier, etc.—Boston, Mass.—City, rebuilding piers, bulkhead and dolphins, for East Boston ferry, 100,000 ft. more or less piles and timber, to Rendle Stoddard Co., Main St., Chelsea, $31,700.

Binder Stone—New York, N. Y.—J. Miller, pres. Manhattan Boro., Municipal Bldg., 8,000 cu.yd. binder stone, to Calvin Tompkins Co., 30 Church St., $15,200. Noted June 7.

Miscellaneous Construction, etc. — New York, N. Y.—Transit Comn., 49 Lafayette St., miscellaneous construction and station finish for Rapid Transit R.R., in Boroughs of Manhattan, Bronx, Brooklyn and Queens, Agreement "BV," to D. C. Serber, 451 West 16th St., $15,020. Noted June 7.

Paving Blocks—New York, N. Y.—Bd. Purch., creosoted wood paving blocks to Dept. Plant & Structures, to Amer. Creosoting Co., 17 Battery Pl., $1,886. Noted May 24.

Lumber — New Orleans, La. — Bd. Port Comrs., 200 New Court Bldg., furnishing and delivering 520,000 ft. creosoted lumber and 1,228 creosoted piles in 70, 75, 80 and 85 ft. lengths, lumber to Creosoted Materials Co., Queen and Crescent Bldg., $37,-124; piles to Amer. Creosoting Co., Bogalusa, $0.57 per lin.ft.

Wharf—New Orleans, La.—Bd. Port Comrs., first unit of Claiborne Ave., wharf, concrete, 2,600 ft. long, to R. P. Farnsworth & Co., New Orleans, $475,354. Noted Mar. 22.

Terminals, etc. — Jackson, Tenn. — See "Railways."

Piling—Milwaukee, Wis.—See "Excavation, Drainage and Irrigation."

Creosoted Wood Blocks—St. Paul, Minn.—For 1,000 sq.yd. creosoted wood block, 3½ in., for Dept. Pub. Wks., to Republic Creosoting Co., St. Louis Park, $2.73 per sq.yd. f.o.b. St. Paul. Noted May 24.

Road Oil—St. Paul, Minn.—Ramsey Co., 200,000 gal. road oil, medium grade O. C., and heavy grade O. H., to Minnesota Road Equipment Co., 4536 Dupont Ave. S., Minneapolis, $0.065 and $0.066 per gal. Noted May 24.

Aviation Field — Bridgeton, Mo. — St. Louis Aviation Field Corp., Arcade Bldg., St. Louis, will grade, etc., 55 acre tract for aviation field, 300,000 cu.yd. excav., construct 2 small hangars, knockdown steel, here, by day labor. Pitzman Eng. & Survey Co., 615 Chestnut St., St. Louis, engrs.

Levees—Yuba City, Calif.—Recl. Dist. 1660, c/o State Recl. Bd., Forum Bldg., Sacramento, constructing levees, here, to Callahan Constr. Co., City Natl. Bank Bldg., Wichita Falls, Tex., $500,000 or more. Noted Apr. 26.

Grain Elevator—Montreal, Que.—Harbor Comrs. extension to grain elevator "B" at Windmill Point, providing additional handling capacity of 1,272,000 bushels, to E. G. M. Cape Co., Ltd., 10 Cathcart St.

OFFICIAL PROPOSALS

Bids: June 30.

Building Alterations

Saratoga Springs, N. Y.

Sealed proposals for the furnishing of all materials and performing the necessary labor for the proposed alterations and repairs to the kitchen, pantry and dining-room of the Casino in Congress Park at Saratoga Springs, N. Y., will be received by the Commissioner of Public Works of the City of Saratoga Springs, N. Y., at his office in the City Hall, on or before noon of the 30th day of June, 1923.

All proposals must be on forms annexed to the specifications to which they must be attached. All proposals must be accompanied by a certified check for 5% of the contract price.

The major portion of the work consists of the removal of a brick stack from the north side of the kitchen and the removal and rebuilding of a portion of the north wall of the kitchen; removal and rebuilding of the east wall of the dining-room and a portion of the north wall; the construction of a reinforced concrete foundation under the east, west and north walls of the dining-room; the construction of reinforced concrete foundations under the main bearing piers carrying the roof of the dining-room and the construction of a reinforced concrete foundation under the piers carrying the floor of the dining-room; repairing the outer and inner walls of the building where necessary, painting and kalsomining the interior of the dining-room and painting the exterior wood work; detaching and leveling and replacing the six circular windows; leveling and repairing the floor of the dining-room. Placing a Barrett Specification felt, pitch and slag roof on the three buildings together with the proper flashings, etc. Removing a switchboard panel from the basement to the pantry, rebuilding transformer house, etc.

Plans, Specifications and forms of contract and proposals can be obtained at the office of the Commissioner of Public Works between the hours of 9 a.m. and 5 p.m. except on Saturdays on which days the office will be open from 9 a.m. to 12 m.

Contractors must visit the site of the work and ascertain for themselves the exact character of the work required.

The City Council reserves the right to reject any and all bids if they deem it to the interest of the City so to do.

GEORGE W. AINSWORTH,
Commissioner of Public Works.

Bids: June 26.

Bridges

Baltimore, Md.

SEALED PROPOSALS for building the following bridges:

Frederick Co.—Cont. F-58. Reinforced concrete arch bridge over Catoctin Creek near Middletown on the Hagerstown Pike, consisting of a single span 85' 0" clear and a 24' 0" clear Roadway.

Montgomery Co.—Cont. M-18. Reinforced concrete arch bridge over Seneca Creek near Dawsonville on the road from Darnstown to Dawsonville, consisting of a double span each 46' 0" clear and a 24' 0" clear Roadway.

Hartford Co.—Cont. H-35. Reinforced concrete arch bridge over Bynum Run near Belair on the Belair-Aberdeen Road, consisting of a single span 40' 0" clear and a 24' 0" clear Roadway.

will be received by the State Roads Commission, at its offices, 601 Barrett Building, Baltimore, Maryland, until 12 M. on the 26th day of June, 1923, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 12th day of June, 1923.

JOHN N. MACKALL,
Chairman.

L. H. STEUART,
Secretary.